A warm rain, especially after drought brings moths out, at night; search them on palings, trunks of trees &c
Moths if they have taken any quantity of sugar, seem to lose the power of depositing eggs. H. S. Harding, Zool: S. 1899.

J. W. Douglas
R. S. Bleston.

C. S. Gregson 60 Mill St. Toxteth Park, Liverpool, 44.
N. J. Stainton

Don't paste this down

16
12
192
13
576
192
2496

Obs. all the Lepidoptera with [P.d] on tickets beneath them were purchased in Mr Plasteado's British Collection
Those with a — under the name have been compared with Mr Haworth's Cab.t

1851. 29th June, in a Mr Higham's Kent, Thos:
1849 6. Sept. Dover 18. J. Grant. Brighton many. 15th Aug to 15th Sept. 150 Each of Sex Mr. Eugleh. & 4 of Helice.
1847 & 1848 abund. in Dymonth with Lozzes of Helice.
1835 abund. at Croydon. Inc. Brighton
6th July 1845, 3 in a clover field. Darent & others in Victoria Park, Hackney
June, 1839 paired & in Yorkshire & 12 Pin the Autumn N. F. Farr
Helice was taken 16th Oct. 1843 by R. B. K. Jordan at Seignemontte, Devon. Took it in copula with a ♂ of Edusa in the S. of France & the pair was flying S.E.
Edusa was abund. in the Isle of Wight in 1804, from 18th Aug to 1st Oct. & on opposite coast of Hants still more abund. Rev. Mr. T. Bree.
1808, 16 Sept Warwickshire
1811, 16 Aug 5.
1843, 18 Sept. plentiful at Lymepstone Devon. R. B. K. Jordan & 1st also. 28th Aug: in Arundel & 6 Sept in Winchelsea.
29th Sept. 2 ♂ in Leicester, J. Goadby. 17th abund. in Surrey, Lambeth & also in Kent. 4th Nov. & at Seignemontte, Jordan
12th Thousands in a Clover field near Sidmouth & Lyme Regis, T. Leighton. Abundt in S of Mr. up to in Oct. & Bromfield.
14th July 5 in Northampton, & 9 in Kirkleatham Cleve, T. Baird. 21st July, 2 in Basham Downs
2 Sept 5, 6th 90 in abund. at Pentnor, Alverstoke & Brighstone, Isle of Wight, Cosham, Chichester & Arundel to 14th Oct. J. F. Dawson
1846. 3rd Aug: in Winchester. 9th Sept. 2 in Wrysford, Sol. 14th 2 ♂ in Winchester. 15th, 22nd July & 6th Sept: in Bromfield, Essex

Hyale. 1 by Birchwood in Sept. & 12 in Aug: in Shoreham, S. Stevens.
1843 1 by Brighton Canal, 10th & T. Baird, Aug & Sept. about a dozen at Epping, N. Doubleday, where in 1842 it was most abundt.
It is found in Purple & white Clover fields for Lewes on Chalk Hill, Halay & Sto
1835 Croydon Canal, J. Newman. Brighton abund. J.D.
1842. 3rd & 16 Aug. Sussex, S. Stev. York & in Gravesend & Lavenham Sept. Darent. Northampton; in Croydon, J. Doyle
1836, Northumb. Winchelsea: Darent. G. Hamm.
1849 6. Sept. 8 at Dover, J. Grant. Lewes. Brighton 4 in Sept. 5. Each of Sex Mr. Eugleh.

Lepidoptera

Papilio Lin. Curt. B. E. 578.

24 June 1830 Took the 1st specimen near Pont du Gard.

Podalirius L. Don: L. 109. Curt. B. E. pl. 578. Flava
Sc. 1. 6
β Feisthamelii Dup: Sup. 4 f. 1.
Machaon L. Don. 6. 211 & Cat. Jam 6, 1 . . . .
C. B. E. pl. 578. R. A. T. 9. 180.

July & Aug. in a Nursery garden, Slough. Mr. J. R. Read.
e Apl.
May. Clapham Park wood, Bedford. Mr. Tiley. Rev. Hope
July
Aug. New Forest. Mr. Hawkins. It is taken about Black-thorns
Cat. July & Aug. Cabbage. Apple, Peach, almond, Barberry. Plum & Sloe
e May marshes, Norf. & Huntingdonsh., & Sandwich Dorset. Darwell & Hanson Jun.
1st June Mr. Higham took 32 specimens at Hastings
6 Aug. Meadows Dorset. Sc. 180
Cat. July upon Selinum pratense, Rue, Fennel, Carrot
29th June 6 specimens sizes Sedge fen Camb. 6 July, Mr. Wellesley more.
vide Entom. p. 340. On Hampshire varieties, Mr. Amante Dorset, Zeller.

Gonepteryx Leach. Curtis B. E. 173. — Colias F. Lat.
Rhodocera Boisd.

Rhamni L. Don 5. pl. 145. β Curtis B. E. pl. 173 β
Sc. 1. 8

Feb. Woods & Lanes. 4th to 11th July 33.
To
Aug. Bt. on a steeple on the steamboat going to Margate
Cat. Rhamnus catharticus & R. frangulus, on the wild dog
5 May Eggs laid on underside leaves, J. Curtis R. A. T. & Entom. p. 391.

Colias Fab. Curt. 242.

Eurydice Vill. Haw. 13. 12. - Steph. 4 1st f. 1 & 3.
not of Esper nec f. 42. nec f. 182. ~~Hyale Esper f. 42.~~ Mr. American Insect. no. 2. Sect.
Philodice Godart
Chrysotheme Esper. 1. f. 65; Cont. 15, f. 3. 4.
Haw: Steph. pl 2x f. 1 & 2

May
Sept. Cat. Brighton - Lewes Surrey & N. York - Plaistead's vide Ent. Mag. 3. 400
July
Aug. Meadows & road sides nr. Ipswich
Cat upon Coronilla varia.
Sept. Norf.

Edusa F. Don. 7. 238. 20 - ~~Hyale Don 2, 838.~~
var: Helice Dub. f. 440 ~~Palaeno Esp. f. 4. f. 2.~~ Steph. 42 x 3
Lousa alba Haw.
Lactea Lewin not of Lin.

It is supposed to be produced every 4 years.
June. Clover fields & grassy downs Norf. Sale of Mr. Dover 1842 abund.
to
in Sept. Brighton. Battersea fields. near Little Chelsea
Cat. upon grasses ~~& Anthyllis vulneraria~~ 1836 in multitudes at Battersea
July
Aug. Meadows & fields. Cliff. Dover. Brighton. Epping Forest
June. Norf. & Kent. 1837 in Kent. 15th 1843 at Canterbury, J. B. Harris esq. 17th June
17th & 19th Aug. 20 specimens were taken in the Castle mead on Dover in 1835.
Cat: upon Anthyllis vulneraria
July
6 May 1 in E. Hanes's House at Wilton 1842.
in Aug. 1842 at Epping, Gravesend, Charing, Dover
3 Sept. 42 at Lavenham, Suff. Mr. Gage.
It is supposed to be double brood every 7 years.

Hyale L. Don 7. 238. 18 - Palaeno Esp: f. 4. f. 2.
Palaeno of Linn: we have not, it is the Eurydice of Col & Dub.
Curt. B. E. pl. 242. Hanw

Parnassius Lat. — Doritis Fab.

Apollo L. Don 13. 433 - Delf. 1. pl. 18 . . . .

Aug. high mountains Switzerland. 21st June 51 Chamonix
16 July 30 at Mr. Mounbrun about Clermont, Auvergne
Sale of Lewis. Scotland
Cat. Sedum telephium

Pontia Fab. Curtis
Pieris Boisd. Sc.

Brassicae L. Don: 13. 446. Steph.
R. A. T. 3. 326 pl. E. f. 1-8.

m May Gardens
m Aug.
Cat. June & Sept. Cabbages

Cheiridea Steph. pl 3x f. 1 & 2. vol. p. 17. . . .
the early brood of the former

May.
April.

Rapae L. Steph. f. 2 to 4. . . . . .
R. A. T. 3. 312 pl. E. f. 11-16.
Mona Sc. 1. 19. 8

23 Apl. 32 bred 1.
Apl. May Gardens.
July Aug
Cat. Brassica & Reseda. Turnip.
Bred by Mr Dale from Larvae feeding on the weeping Willow

Pontia

Metra Steph. – Petiver pl 1, f 13, 14 — 18th March, Mr. T. Bye.
a var of Rapa as proved by Rev. J. B. Dawson, who bred a great number of ones. This the early brood. — b April Gertford
c June Ripley: Shelford Cambrid.

Napi L. Don: 8. 280. 1 ♀ - Sepp — m May Woods & Meadows & Gardens
K.a.T.3, 3.2. pl. E f 17-20. — b. July
Cat. upon Cabbage

Napae Esper Steph. — m. London

Sabellica Petiv. pl 1, f 17.18 ♂ 15.16 ♀ — 2 June Highgate Wood, Ripley, Battersea fields.
Steph. pl 3, f 3 ♂, f 4 ♀ Brysonia, Willum

Manciphum Hub.
Daplidice L. Don: 6. 200 ♂ – Brit Cat 1, pl 28. Larva & Pupa — May. Hampstead, Gamlingay Cambridgesh, m. Bath
♀ 14 Aug. 1818 Stephens in meadow behind Dover Castle
June 1802 Dr. abbott, Whitewood m. Gamlingay
Cat. ap. May Aug. Wild Woods, Base rocket & Cabbage & Reseda
c May. Lanes, Meadows, pathways in Woods, ♀ 8th Apr. L.B. Tigum.
Larva Cuckoo-flower. Cardamine.
Eg 10th July 33 J. J. L.
Hamath. Steph. ♀ right A.B.

Euchloë Hub.
Anthocaris Boid.
Cardamines L. Don 5, 169 & Larva.

Leucophasia Steph. 1, p 26.

Sinapis L. Don: 8, 280. 2 ♂ — July, 3 by a wood side, Hopleffe.
m May Darent & Buck Woods, Coombe. 17th 28th Compare common & Rapae
June & July moist Heaths m. Amblesid & m. Carlisle m. Hexham
b Aug 18 Aug: spring to Comp. wood Down, J.B.
Cat. Mustard & a Lonicera Hub. Lotus corniculatus; Lathyrus pratensis

Pieris Schrank. Lat. Cat. 360
Aporia Hub:

Crataegi L. Don 13, 454. – Cart. B. B. Larva & Pupa — June Chelsea formerly Coombe wood, Mugwell Hill, Brockenhurst, 6 June
6 July in great plenty but was by May Haya green & purple wood.
Herne bay Kent, Enborne Berks, Glanville's Wootton
3 June Monks Wood. Hunts. in plenty
Cat. Whitethorn Gooseberry.
c May full grown. Folds in a web at first.

Doritis Fab.

Apollo L. Don 13, 433. – Haw pl XXIX — Isle of Lewes, Lord Seaforth.

Nemeobius Steph. v. 1 p 28. Cart. 316, Lucina Hub:

Lucina L. Don: 7, 242. 2 – Cart. B. B. 316 — f May Coombe & Darent Woods, New Forest f. 6 Dorset
B fulvous wings. Stones Cab. Larva & Pupa — 6 June & Berks, m. Kimpton. Borders of woods & hedges Kingham
Cat. Grass, Primrose Hub:

Melitaea Fab: Argynnis Lat: Cart. 386

A

Athalia Esper God. Dictynna Lewin — May. Heaths & marshes, Peckham m. London c. Sussex Devon. I of Wight
Schof. 184, 2 & 3. pl 12 f 5. 6. Haw — c. June
Malama Fr. Hub. 1, 3 & 18 — 5 July 1825 Dr. Maclean found numbers at Northwood c. S. Devon.
Cat. upon Plantain

Paphia Hub. 111 1585-88. Steph pl 4 f 1, 2 & Cor Haw. — June 1803. Peckham.

Aglaja Petiv pl 3 f 11. 12 y. Steph pl 5 f 1, 2. — 6 May. Caen Wood, Middx, pretty common. Pewer.

1836, in Rosebery wood, w. Brotte, R. Dawson Esq.

♂ 24th aug. 1827 on the heights at Dover by Mr Leith of Yarmouth Norf.

♂ 3 aug — 1828 ..... ♂ Le Plastrier: Doubleday gave him 3 £ for 2 & he asked 4 £ for 2 more.

18 aug — 1835 ..... ♀ 1 ♂ Mr Englehart 2 on the S. Foreland on Castle Meadow, one was on a Plant apparently just out of the Chrysalis

Aug — 1841 ♀ 3 ♂ 1 ♀. Fox while he caught Cat. whilst saw 17th Sept. 1842.

8 to 13th ♀ May 1843 Leptosiphon bed 16 ♂ 4 ♀ from the above Cat.

Lymnige by Hythe Kent, Mr Tylden

3d July 35 in great abundance on blossoms of Chrysanthemum Leucanthemum at Oldenbarn at Leominster, S. Newman

17th Sept. 42 Went to Dover saw the Larva of Doplidice feeding on the wild Mignonette & 3 others which had changed to Pupa, they were named from eggs laid by a ♀ caught last Aug. by Le Plastrier & by the S. Foreland with 3 others, for 2 of them Doubleday gave him 3 £ & he asked Mr Allen of York 4 £ for the other 2.

Pharos Cram: Dany 1. pl 21. f 5. 6. St. 1, p. 150.

Ernst says from England it is N. American.

Dia Linn: Loudon's Mag: 5. 751. f 124.
Naturalist v. 1. p. 145. pl. fig. Wood 52 f 83.

R. Weaver says he took 2 abt. 2 years back (1825) within ten miles of Birmingham, at Sutton Park & Alderley in Cheshire. It is only a var of Selene. The Bishop of Norwich gave me his specimen.

Barking Marsh
by Mr Thorlop
2 of Antiopa, with cost na 1 of

1834 9, 12 on thistles in open parts of woods, Shoreham, Kent. Thos Bree - 2 34 Caistor marams, Norf: Micklebam.

Aphrodite
Mag: Nat: Hist. v. 4. p. 131.

Taken by Jas. Walhouse Esq. of Leamington, in Upton Wood near that Town in the summer of 1833. It is a north American Insect. No date of capture, but probably in July or Aug:

Autumn of 1835 very abund: nr. Leominster, G. Newman: also at Worcester & Malvern, settling on fallen apples.

16th. April 43 very abund: between Shooter's hill & Footscray with V. Io, Urtica & Gonepteryx Rhamni
31st March 45 more abt. nr. Coventry than in the Autumn, Mr. T. Bree.

10th. Apr. 47 over Nettles, Kingsbury, J. Bond. Many round Ipswich & Hadleigh
2 Sept 48 on road at Puttenham, Surry, H. Mid.
Aug. 4 Goblin Combe nr. Cheddar Somerset - J. F. L. 26th, 32 in a garden Yarm. Norf.
31 Aug. 37, Turner's wood, Hampst. E. Pemberton.
6 Sept. 47 nr. Cromer, A. D. Michael
46 Tunbridge wells; Yarm. Yapley.

B

Artemis L. Lew. Don 7, pl 242.1.
Maturna Esp.

e May, Brighton, Dorsetsh, Dartmoor &c. 20th at Manchester
11 June wet places nr. Ambleside and Heaths & sides of Mountains & Bleak Heaths I of W. Mouse's wood, Holme Fen. H.D.
Sept to m Apl. Cat. Devil's Bit Scabious & Veronica. Plantain

Cinxia L. Don. 7. 242.1. Jad.
Delia Hub: 2 f 7 & 8 W.V.

June Dover, nr. Ryde & Sandrock Hotel, Isle of Wight
Beech wood, nr. Dartford &c under Wall near Cliffe 6 June 18
15th June Hatfield, Camb:
Cat m Apl Plantago lanceolata in Meadows. Veronica
Intermedia early and Oliver's third winter

Argynnis? H.D.

Selene F. Harris Pg. Euphrasia Lewi pl 13.
Eu Chrosyne var 2 Hübn. 4, f 3, Ha Thalia Cat. Haw. p. 333.
Curt. B. E. 386. & Cat.
Thalia Hüb var. 11 f 5, 7 & 8.

May Woods Heaths & Waste grounds. Combe wood in fine 18 June
6 June about Fern among the trees Lyndhurst. A fine black var: taken at
Jul. Bromley Thickets nr. Colchester where Selene and var of 2 Sp. was taken.
aug. e. May, Leicester.
Cat. Violet.

Euphrosyne L. Don 9. 312.
(var 2 Hübn pl 4 f 3. Thalia Cut. Haw. p. 333.

6 May. Heaths & Woods. Birchwood & Combe I. 6. m May Lincoln
6 June over in New Forest
Sept. Hatfield, abund.
Cat. Viola montana

Argynnis Fab: Cut.

Lathonia L. Don 3, 73. Jeffery 2. pl 2.1.
Principissa L.
and like Hübner fig.

May Gamlingay Wood Castle meadow Shakspeare Cliff 24 & 26 aug. 1818.
Aug. Halvergate Norf. Battersea field, Dover, nr.
Sept. Colchester, Brick wood & Hertford – Imago. Dandelion
3. at Faversham, J. A. H. Gape. 1836 in Rookery wood nr. Epsom. R. Lawson Esq.
Cat. Hearts ease. Cinquefoil. Borage.

Adippe L. F. Don: 13. 448 – Hübn pl 1 & Lewa
var 8. Seaman & Weaver
Londg's Mag. v. 7 & 9. f. 122.
Cydippe L.

e June Heaths & borders of Woods
m May: 6 July 5th 1825 D. Maclean took this var of Hartley wood nr. St. Croyle & Co.
Cat in May Viola odorata & tricolor

Aglaia L. Don. 9, 302 ♂.
Curt. B. E. 290. var. of Seaman. Londg's Mag. v. 7 & 9, f. 123, ♀.
Charlotta Sow. B. Mis. tab 11.
& Naturalist v. of p. 165 pl. 6.
Charlotta Sow: Br. Mis. Tab. 4. – Haw
Carolotta Haw.

e July Woods, meadows, Heaths & Downs where Brambles
m May: Aug. Lanes. Blaney & Loch Katrine. & Thistles
May Cat. Viola canina.

i Jul. Woods Bedfordsh. Abbotts
yorkshire (Meaves) a superb var:

Paphia L. Don 7. 247. ♂
Papa with brilliant silver spots
Imperator L.

f May – Borders of Woods where Brambles & Thistles
i July. 26 June Hedley Dale: 24 July at Sandrock. J. C. D & Gilmour.
Cat. e may Viola canina. Rubus idaeus, & Urtica dioica

Vanessa Fab. Cut.

Grapta Kirb
C-album L. Don: 6. 199 & Carv:

A
20th May nr. Manchester, Ellestree
Abul & common Leicester. H. M. Bates. 5th Cat. Cole.
m. June. Skirts of Woods, Gardens &c
6 July & Aug: woodside Hatfield Sandsh. Mortimer wood, Cobham nr. Ramsgate
m. Sept. rare Leicester. very fine outside of wood Hoxton, all underside
Cat: m aug. Nettles, Hop, Willow & Currant. Elm —
Hop & Honeysuckle.

Polychloros L. Don: 8, 278
Hypholmelana Hübn
Testudo Esp. B.

Mar. Apl. Lanes near Elms, Oaks & fruit trees. m July.
f June. m July: Mr. William Jeff. abund: Aug & Sept. Leicester.
Cat. m Elm. Tab. infested by Microgaster formulatus Cocoon yellow.

Urtica L. Don: 2, 55 & Carv:
Schneuvoides De Lep. L. De B. M. 1836.

f June. b. Sept. Lanes &c i July and 55
March
5 Sept.
Cat. m aug. Nettles & in May. Oak in Papa Tab. & Imago

Antiopa L. Don: 3, 89. Cut. B. E. 96
Mario L.

6 Jul 6 Aug. Hatfield & aug: 6, Bingley Hill Camb. &c. &c.
m Sep.
Cat. Birch & Sallow. Poplar. Elm

Spring brood with yellow, autumnal brood with white borde

L. L. Don: 6. 206 & Law.

Atalanta L. Don: 8. 208 & Law.
Annualis L.

Cynthia Fab:

Cardui L. Don: 9. 292 & Law.

Hamfoledensis Pet. Pap. 2, pl 5, f 2 b.
Steph. pl 5, f 3, 4.

Aphalara Fab: Nymphalis Lat. Lam.

Iris L. Don: 2, 376 b. - Curt. B. E. 338
Nice Pallas's not Brit. 12. 136. Flava

Limenitis Fab: Curtis 124 Nymphalis Lat.

Camilla L. Don: 7. 244. Curtis pl. 6. 3. 124.
Sibilla Fab. F.
Loudon's Mag. 5. 667. f 117. 3.
Prosa Linn. Mus. R.

Hipparchia Fab: Manirola Schr: Satyrus Lat: Lasiommata, Nob & Caenonympha Hübn.
Curt. 205 & 206 x

Egeria L. Sepp. v 1, f 6. Don. 12 498. b.

Megera L. Sepp. v 2. p 2, f 3 Don. 8. 279 b

Semele L. Don 8. 259 g

Argus Fab.

Galathea L. Don: 8. 258 b.

Tithonus L. Law.
Pirodella F. Haw. Don. 12. 205.
Phædra Fab.

Sinira & Surhina L. Don. 9. 320
Sepp. v 1.

globulaire Hab: 1 f. 1. 2
chloros Hab: car.

found lib. Lewes, Sussex. 17th 25 wd. on 1st 3 v. 1 spe of a willow grac. [illegible] by J. C. Weir.

Jamaica Exh:
Exhibit of
mehloti Ha
Trifolii Wood Hab L 3.

Dr/Mr. J. B. Dawson. Gaples Sens. bred by D. B.

Peucedani Exp.
Sp. L. 385.

Willis Bot. Wood 53 L 21.
25 t 91.

So common, near Lewes.

Filipendulae & Minos complex: Sum. B. f. 1. 421.

Hows's hybrid: full acct. in Tr. L. S. 3. 193 pl 11 f.

also Cyclamen: Mr. Dickson

My gynandromorphous specimen is ♂ on right & ♀ on left & is G. A. Thrupp's: Tr. L. S. L. 68. 5th Phaseolus is ♂ & ♀ with Phlox Lychnidiflora Sum 21st 1842. N. D.
N. Doubleday's is ♂ on left & on right. Weaver bred 2 ♀.
Ent. Transactions N. V. p. 119 & pl 11 f. 4.
Nursery. vol. 1. p. 1 f. 5. Dr Boulla says that S. Pyrum can produce ver. generations without fecundation. Sat. May 2. 1846.

Spiraea Ulmaria, Elder, Woody Nightshade. Dr. Hof. on Aug. about the brown var: on Sea plant. at Effering N. D.
Fels Sum Tobacco plants in Germany

J. H. Vincent
Geo. Vale, Lith.

Indian Cherry Tree in front of Carlson's Property

latentaria H. E. 296 S. & S. 217. — 8 June, walls & rocks Ambleside ascending mountains
Bar Lewis. 2th in Bodach.

Saliciata Hub: 53, 273 Wood 21 f. 555. — Scotland, J. E. D.
~~salicata Haw 309~~ — c. Aug. Keswick J. Marshall.
c May Hedges

didymaria L. Haw 307 — c Jul. Brickwood, Hol. Park. Scotland. Mlancey
scalarata Hub 8 var 44 f. 229 — making amongst coarse grass in ditches
c Aug 8th side of Ditches in Alms w. Mlancey, Lye

viridaria F. Haw 304 — 3. c June; flying over heath near trees New Forest J. C.
mutata Hub: — miataria Esp. — often perch in Wood
perfectaria Don: 14, 479. 1. Russely M. 1, 218 in Jul. & very abt at Camp, Boreham
miana W. V. Sp. Wood 21 f. 556
fluctuata L. Jul. Haw 333 — May, Gardens, abund. on fencing & walls doors of outhouses.

Jul: Lawn, 2 kind on watercresses. Spot bit: Cabbage Crane feed in 46 & 47 in C. & 47
May not very rare also at Hackney

costovata Haw 334 var. — May, Hedges

inflicata Vill. Haw 303 — May
montanata Hub: M.V. — June often places in woods
20 July Glengarry

909 Halia Goda St. 3. 193. — Grammatophora Ste.
Vauaria L. Stff 2. 3. Wauaria L. 4. B. 1. 555 — June Gardens round London, Epping Combe Wood Park, Hampstead
wauaria Don 6, 196
Vau-nigraria Haw 282. Cut. Tap 244 pl 6 f 3 — July Pales? 3th Tunbridge wells
May. Cat. Currant & Gooseberry

910 Ephyra Goda. Cut. B. E. 10, 447. Ste. 3. 198.
S. 108
linearia Hub. Haw 315 — Cyclophora Ste:
2. 68 — c. June n: Lyndhurst J. C. Epping.
filinearia Bork. Goda. 171, 6 Wood 20 f. 532. — Woods Kent, Birch
May Mr. Dunbar Cat.

punctaria L. Haw 312. Goda 171, 8. Wood 20 f 531. — c May, often places in woods Comb. copses, hedge lanes.
communifasciata Don 15, 456 — Epping
subangularia Haw. 313. var — Aug
Cat: on Oak

porraria Goda 171, 9 Lineolata Wood 20 f. 530 — c May Woods, 1st Dulwich Black.
punctaria Hub: 13, 67. — c June Combe J. C. Birch, Dorent.
ocellaria Haw 312. — c Aug

Cat. on Birch, Oak.

ocellaria Hub: 13, 64. Goda pl 172, 2
Ste. 3. 198. Wood 54 f 60.
albiocellaria Hub Bri

omicronaria Hub: Haw 312. Goda 172. 7. Wood 20, f 527.
2. 13, 65
annularia ?
c May Epping.
c June Dorent Woods Kent
c Aug
c Sept Ripley.
Cat on the Maple

pendularia L. Hub. Haw 311. Goda 172, 5
circularia ? 13, 66. Wood 20 f 528
c. May Birch trees, Combe & Birch woods J. C. Epping.
c Aug

Cat on Birch Alder, Oak.

albicuncta Haw: 344. 86. var of ovat?
Taken near Peckham, many years back. In Mus. Hatchett

orbicularia Hub. 12,60. Haw 311. Godn 172, 6. Wood 20/529. 10.6.54 c. on Cowslips plain, [illegible] m. June Coombe-wood, Lansdelle's Garden Lambeth. Mr Esselt. mr Brockenhurst Hants. Lewes, Sussex.
28 May 1 m. Sussex mr Lyndhurst

Uncus Gum

quietaria Hum. 64 1/5 ol. E.B. E. 41 247. q
Mp. 3. 183.

17 Apl. 1820 B. Stanwick Duttfield Kent. q mr Charing Kent. Mr Marshall
c Apl. 2 r. 2. 1822 in some plenty at Colchester & Essex
1st May 1826 Darfield Kent. Bet. Eltham & Birchw.
10 Apl. 3 s. q. Sussex

911 Charissa B. E. v 3, 105. Gnophos Ochr. E 2, 132.
1a canaria Hub.

Charessa Bout. Elophos Bois.
operaria (Hub. 359) B. E. 105 o.
obfuscaria Hub. 327/125

26 July out of the mains on rails at back of Jean's House, I of Bute & Arran J. C.
Aldsh. N. B.
m. Mar. q. flying in the evening in Arran. Mr H. Walker admi. J. B. Doig.

Gnophos Boisd. Gn. 1st Ap. in Ann. S. 1843 v. 1 p. 249, pl. 10 no 2
serotinaria (Hub. 23/147) Haw 311. 107. Stephens N. B. Wood 23/627. α

e. Aug. Lasser mr Lorimer.
i. Sept. marks, rail of Mr J. O. at on dry, v. Comb. Pentlan

fuliaria Hub. Haw 312. Wood
b. pustularia Don. 13, 263. a new species.

b. m. Aug. below. Dover castle. Devon. Exmouth. Lymouth. Dorset
Sept. mr Milton, Beach Gang Lime & Hunter, I of W. J. C.
m. Mar. Black Cover, I. of Bute Bottom's Stone, Beach wood.

dilucidaria Hub. Ste var Wood 23/627.

anthracinaria Esp.

e. June. Devon [illegible] of fir & [illegible] mr [illegible] of fir & [illegible] mr Brotton.

obscuraria Hub. Haw 312.
lividata F.
carbonaria F.

m. e. Jul. Hurst Forest. Devon. Burton wood, Carlisle. E. & W. Parley Heath
b. Aug. Lane going to Wetting beds, Parley. J. C.

Cat. Sallow
Pub.

Calocalpe Hub.
912 Lucomia Ste. v 3, 265.

undulata L. Haw. 320. Don. 10, 342.
Wood 23/625.

e. June Darent & Coombe in the woods: Eltham: Ashley. Cat.
Pattisons. Woods [illegible] Mr Dawson Mr Maitland Dartford

Cat. Sallow

913 Boarmia Tree. B. E. v 6, 280. Ste 3, 190.

Epirrosia Boisd.

tetragonaria B. E. 280 & Haw.
consonaria Godn. Hub. [illegible]

e. March, trunks of trees in wood: oak birch & especially Coniferous
5th May 1821 Birch wood. J. C. in Bunch & dark feel. Plentiful at Eltham.

abietaria Haw 276. Ste var [illegible]
varicaria B. E. Ste

e. Mar. trunks of trees in woods. Birch & Coomb.
Ap. Eltham, Kimpton.

crepuscularia Hub. Haw 277, 15
strigularia Ste var 3. 192. Wood 20/519.
bimodularia Esp. Hill.

July, skirts of wood. 1st in a summer house at Eltham Bicker. Gimmerfield.
2nd Ap. Eltham, E. Bickle. Eltham, Coomb. Birch. Dunfriesh.
6. M. May
Hunt.
Hunt Cat.

acuminaria Hub. Haw 277, 17. Ste. Wood 20/518

m. May, trunks of trees Coombe-wood. J. C.
15 July hating. wom. Birch hill c. Eltham. Darent. Cat.

extersaria Hub. 30/159. Haw 277, 16

e. Jul. woods, Eglantine, Coniferous hedge.
2nd June & Darent m. J. C. a fair in Monks wood S. E. 8th New Forest. Dougl.
2 Sugar

fumetularia Hub. 105/545 Haw. 277, 18. Wood 20/521.

m. May Birch trees, Birch & Coomb-woods. J. C. Spring. Darent
trunks of
Ashley, Kimcastle.

Cat. on Birch.

16th Apr. 46. falling Dark Phenth. S. Ster. & 12th Apr. 46
light in a room.

Parent

Eramus Hub. Lampetia Ste:

914 Hybernia Lat. Cent. B. S. 15. 703. Ste. 3. 153. Cept. Shawna has taken the ♂ paired with the ♀ of leucophaeria.

strigaria Haw 286 — lucularia Haw ♀ 279
progemmaria Hub: 35/183.
connectaria Haw. var 285 ♂ Ste. 153. Wood 18 f 461 a 453 n ♀
capreolaria Zell
monapiaria L. F. Haw 285. Ste. Wood 18 f 463 a.
aurantiaria Hub. 35/182
testaccaria Vill.

defoliaria L. Hub. Sepf 2, 6. Haw. 282. Ste 178
2 Ent. B. 132. ♂ ♀ & Cat.

Anisopteryx Ste. 3. 151. Wood 18 f 464 a ♀ n ♂
leucophaearia Hub. Haw 279. gemmaria Haw.
nigricaria Hub. 35 f 181. cordularia Hub. 62/332.
lucularia Haw
Nyssilula Hub. mannorifaria Zell.
Opercularia Hub. Haw 306. Ste. Wood 18 f 469 a 465 n ♀
marinaria Zell.
cineraria Haw. Ph. — aestivaria Haw. 306

Cheimatobia Ste
autumnata Hub. Wood 23, f 624 a ♂ n ♀
brumaria Haw: 305

brumata L. Hub. Haw. 305. Ste. 182
vulgaris Ste Wood 23, f 624 a ♂ n ♀ Ent. 812.

915 Operabia Ste. 3, 273.

dilutata Hub. Haw 319 Wood
v. omicrata Haw
incertata Dor 15, 51.
fimbriata Haw 320 var.
Eriobia Ste multistrigaria Haw. 306
occultaria Bois. Mon

916 Pachycnemia Ste 3. 268 Cent. B. 5. 511

hippocastanaria Hub. 30 f 56 a. 2 B. 2 b. 8.
anomalata Cat. Trans 1. 33.
decoratata Hüb. 78, 405 ♀

917 Cheiras Ocht. 437
Eucosmia Hub. Spartiata F. Dor 10, 342, 2. Haw 339.
Hub. 77, 398. Fuso Illustrata

obliquata Hb. ♀ Hüb. 78 b.
Bombycata Haw. 1, 306.
rufata Haw. 322. 3.
Cosmorhoe Dup.

918 Thera Ste: 4, 271. Cent. B. 5. 99. Cidaria Bois:
sylvata F.
silvata Hub. 39 c.

Juniperata L. 2 B. 5. 6. 99.

Sept. Bitch wood: Rochford, Essex: New Forest: Cambridge: Ashley & Ockham heaths in Surrey. Hamilton's Heaths, Ockham & Ashley Parkey heaths Hants. J. B. S.
March 25. Mar. Aug: Oct. Sept.
Cat. feeds on Pallenia vulgaris Cambus
e Sept among st Broom, Cornb. wood: Mr's day: Ashley: Oxton.
2 Oct. Ivy flowers, at Norwich. Mr Henderson's garden.
Cat. on Broom
m. May Palings, Cornb. wood; Epsom: Epsom Downs: Ashley: Hedges: Broom fields
Cat. on Broom

Barnwood, Oxton: Nottingham

Sept. Juniper bushes Birch.
19 Oct. 1862 in abund: inside of Juniper bushes on Micklehurst Downs, 2 miles S. Keighley at the bushes on warm north side. Cross Beck. 30 Sept. 1862 Mr. S. Sandwith found Dorset. J. B. S.
Cat. on Juniper & attached by laces of the Nogatia Imperatae. Bombyx Mr. Sandwith Oct. 1862 Cat. Cleave [illegible] among the leaves of the Juniper & hatches in the Spring

Norwich

Coreata Bill. [illegible]

31 Oct. 28. L. Ds. on trees, Birch, Yew, Petty Pool, wood, Delamere, Cheshire, B. Cooke
27 Oct. 80 ab. on [illegible] conifers & shrubs, [illegible] hedges & [illegible]
& 20 rounds of Whole Hall Cannock Chase, W. F. Atkinson.

autumnana Boeck.
Cholata Hedw. f. H. M. 2. 56. t. 68 f. 2.

Flower. St. seeds exclusively upon Birch.

1st Cholata Dubornot
LOL. f. 100 f. 5.
filigrammaria Boisd.

Sept. 5 in abund. off rocks Isle of Arran, R. Weaver.
Innerwick, Haley Bridge, Yarmouth, Dentine

5 Coniferata B. R. fi. 3 f. 8. t. 4. 3 f.
a variaria Nub. 73 f. 380, W. F.
variata W. F.

June and [illegible] Junipers Castle Eden Dene, Waller.
Sept. on Ivy flowers at Norwich H. D. Barr.

[illegible]

variata (not W.V. Hub.) Curt. Haw. 361. Haw 357
bistrigaria Don. 13, 61, 2.
simularia Hub. 66. f 345.
fulvata Ste. var Wood 23 f 636 mumitata Haw. var 328.
simulata (Hub: pl 66 f 345.) Ste. 3, 271. Wood 23 f 636.
Micata Haw: Hum. Tab. Ins. 2. 3. f. 18 f
firmaria Hub. 2 100 f 415.

919 Lobophora Curt. Doub. Ste. B. E. 2, 81.
polycommata Hub. B. E. 81. Ste 3, 275.

sibulata Hub: 70 f 362. Wood 23 f. 623-6
deutoleguta Haw f. 320
costaleguta Haw f 319. Wood f 624
sylestrata Ste. var: non Hub. Wood f 625
decadio Dup: viretata Dup. 4 299. Haw 329. Wood 23 f 626.
incurata Don 14, 299, 1

sexafasciata Ste. Haw 356. Don 6, 193. Wood f 231 f 647 ♂.
zonata Hubner f. 360 f 4 f 7.

sexalata Hub. 44. f 228 ♂.
sexalisata Haw 356. Wood 23 f. 648 ♂.

920 Eupithecia B. E. 2, 64. Ste 3.
linariata 142, B. E. 64. Ste. Haw 362 Ste 3. 274.
~~Hamiata Hub.~~

fulchellata Ste 3. 279. Wood 23 f. 650.
Antirrhinaria Boisd.

rectangulata L. Haw 363. Harris Ex. 43 f 6. Wood 651
subcrata Hub y Ste. Wood 652.

inturbata Hub
β nigrosericata Haw 363. Wood 24 f. 654.

sinuata Haw 363

coronata Hub. 72 f 372 & 73.
Vata Haw 364. Wood 24 f. 655.

strobilata Hub Ste. 3. 282. Wood f. 656.
bistrigata Haw 361
humilata Hub. 75 f 388

nubifasciata Haw 361. Wood f 657

June Lamp. Sh. Dfin. Birch w. Dartford, Worley, Sheston
Sept. in fir plantations Hoo, Ashtead, Bury, Downs Norwich. Mr. Farren
July shoots of woods, Kent

7 Sept. Sweeping in fir plantations at Dartford & beating in the heath lanes &c.

c June. Birch wood. Stick, N.B.
July & Aug: Cat. malle Don.

5 Apl. 1st Lam. bet. Eltham & Birchwood; on Blackthorn at Dartford Heath
Mar: Weston on Eglantine, & Wild Pear. 12th at Lewes, Sussex. N. Jenkins.
2nd Aug. of Lewes. Wm
Cat. Honeysuckle

June Bird & Darent w. Darting wood Allesley - Devon
m. Apl. Hunt of Yew Comb. w. Jamaica
July at Loudon. Trunks of Yew Wellington Rent. Plaistead
Cat. Honeysuckle

June. Birch w. Effing: Mapl. Darent w. Dartmouth. Putney heath
Apl. pathways in wood
Effing. Apl. Wootton. Chin. Hawes. Lyndhurst. Aug. Penhurst.
Cat. Travel

6 June Birch w. Effing: N. Holm on Ai queen. Kent.
Salisbury at Edinburgh. Aspen trees. Hatton Park. Hailstones
Aug. in assembly of Bells
Cat. on Beech in autumn

June Robin Hood lane, Coombe w. Glen Forest
Aug. Glen Places in woods. Kent.
June & at Ambleside. Cathedral Lane. Lancaster. Sly. Leadh, Bond
Aug. Ch. Ch.

. Aug. Birch w. Darent & Dow: bed 16 June.
6 June Spur parts in woods
Oct. Autumnaria Linaria Aug. 16 - [illegible]
July Comm & Birch w.

nice June Gardens, Rochdale, Hall Dow Park: 2 Effing, Southdean
Weston on Glen Green
June Dover. 20th Volume on garden oats.

June at Loudon

early Darent Effing, Lewes, Effing.
16 Apl. on trunk of a tree South church. [illegible]
10 May Effing, Aspen. Birch & Darent Heath Dog.

June Bir Chestnut Birch w. Effing, Glen Fore. 4th
6 Jul. Menthum & Cow parsl. Dover. 25 principal [illegible] Bowness for grove.
m. f. Aug. New Forest & Hum Hants, very abundant. S. S. on fir [illegible]

1 & 2 Dover & at Loudon. 2nd. Wood.
2 Mar. Poplars
Volume

15. 28 on the wing. 12th. fine. Dacant. W: P. Bouchard. 18 Apr. 1851, at in woods Keswick Lake. J. Harrison Jr. Col. 1842 by Lantern: hundreds flies by day
hugely all on leaves after sunset.

rufescenta Hub: 37, 192. not Brit: Jas Devon

5 6[3]. debilitata Hub: 91, f. 466.
nigro-punctata Chant. Ent. Mag. 1, 182. Ste. 392. 19 June. Stitchwick E. Ab.
suberata Ste. var. Wood 24 f. 653.

6[4]. bermudaria Kirb.
Valerianata Zell.
fusillata Haw 359. Ste. Wood 24 f. 673.

sobrinata Tr: N.D. Hub: 90 f. 465.	
lævigata Tr. Haw 362. Wood 24 f. 658.	Jul. Woods Kent
dilatata Hub?	b Aug. Juniper trees & gardens Norf: Brit. common south
	Oct. Juniper
exigata Hub. 79 f. 49. Wood, 659.	c June woods n. Leeds. Newcastle. Bleik. N.B.
c pruinosata Haw 362	c June hedges
ochreata Hb. a.	Aug. Oct. Barberry
abbreviata Hb. 3.283. Wood f. 660.	June Dawt. Oak
reductaria Boisd.	Aug. Falmouth, & Rome
nebulata Haw?	
singulariata Hill? Haw 360. Wood f. 661.	June Dawt wood, open parts
lactigata Hub? 89 f. 456.	
a nebulata Hb. 3, 284. Wood f. 662.	
nebulata L. Haw 360	b June woods n. London. Hedge Lock. Cumberland
tenuiata Hub?	New Forest. Guernsey. Wrentham Gardens. Surrey Hedges. Aug. Kimpton. Bred. Hedges, Mar
albifunctata Haw 360	June woods & hedges, Kent
subumbrata Hub? Haw 361. Wood 24 f. 664.	June woods. Lincs. Pilton. n. Hr. woods
45 f. 233	Jul. Nb.
	Oct.
aversaria Hub?	June. Dawt wood.
c subfasciata Hb. 3.284. Wood f. 663.	
cinerearia Curt Guide	Leaves N. of Forge & Scotland, 1st Taken Eng. June 1833
or Gallinaria Stav. Doubl Zool (50) 8V	
a subfuscata Haw 360 Hb. 3, 285. Wood f. 667.	June gardens n. London
	c May fields & on roads. Feb.
immotata Hub 86 f. 221 & 42.	June gardens Dawt n.
vulgata Haw 359. Wood f. 666.	June Gardens Scotland & north of England
austerata Hub? 89 f. 457.	
absinthiata L? Haw 359. Wood f. 667.	c June woods n. in Gardens
	May
immotata Hb. 3.285. Wood f. 668.	
elongata Haw 358. Wood f. 671.	b. June, gardens. Blackdale wood. Y. C. N.
minutata Hub?	c Jul. on high heaths on Juniper, Linn.
a notata Hb. 3.286. Wood f. 670.	
simplicilata Haw 359. Wood 24 f. 672.	b. Jul. bushy lanes. Dawt. Weston on Green. Middlesex
submotata Hub? 89 f. 458.	June Gardens, Deptford. Mr Newman
	0 Aug.
fusillata Hub? Haw 359.	June Birch w. Ph
73 f. 378	May Gardens
	Aug.
	Oct. Juniper & Birch
	Aug.

lanceolaria Pers. N.E.
Lamk

tenuata Hal. 70 f 3 p.

June 25-28th. D'Ford's woods, Burlington, Vice:

notata Pte. 3, 286, 22.

distortiana Sow. Chaf.

Wales
6. Jul. 55. MV. Bond.

palustraria Hoff. Fol. f. 8 V

Eus. of Huntingdon: amongst Fleurs in my medicine; H.D.

tenuata Hub.

June, Barnwell fens: 30 at supper time with H, Wade

Lepidus Sub.

7. Nerii L. Cat. B. 9. fl. 626. Hbn. Sn. L. 364. 1835 1834 a g. was taken in a lane near the Lutherans on Sept. 1833 on the Piece at 8 years ago could show to Mr. Stephens in Mr. Stephens.

1834 1834. Mr. Lucas of Hyde, Mr. Bailey of Hazelwood, Ingram, Coleman & 335 Lindsay, Esq.

is an African species. Mus. L. C. P. 18,225. Dazel

15 Aug. 1832 Cat. Luca a Luca, Hypocyanum varetum, Acrolepiaria opriaca

1832 Aug. 1832 in Mr. Mitchell's garden Teignmouth

1835 500 cat. were found in 1835 in France at Paris, Calais, Dieppe, Boulogne, & Ternay, also in Belgium. Also in France in 1834 in great numbers. B. M. L. LXIII. 5. 305.

Nerii, Celerio & Linearia were brought in numbers from Spain by Mr. Widdicombe Esq.

1835 1835 at Berlin, Thorn, Dantzig &c. abund.

1844 27th Oct. St. Lausanne, Chamonix & Nice, Millard

1834 & 35 very abt. in S. France. In 1837 Cat. (17) in a Garden at Paris, in Sept. Pelion 1st Oct. of Mr. Hatchett in Mr. 20th Sept. Mr. Bond

1849 Cat. abund in Gardens of Luxembourg.

Convolvuli, Celerio, Atropos,
never so abundant as they were in 1846 in France & England

20th June 1851 August Savigny caught 8 or 10 in Gooseberry flys about 7 o'clock near his Brother's cottage at Chiswick.

Galii 21st July, 44 taken by Mr. Sewood in Lord Ripon's garden Putney Heath, July, Harrow, P. Bond — Do 1834 Barmouth, 3 1-9th 2 eggs, 1st 5 or 6 days. m. Sept. 1831 on Convolvulus major, Brighton, J. G. Bro. Aug. 1831 Ipswich, J. D. Sept 1836 at Cambridge, Cardiff, Dispersae.
~~[illegible]~~

Lucernea 25th June 44 fine 8, in a cucumber field, among st the stems at Chorlton and the same week at Withington on a hay stack, 3 Dec. [illegible] Apr. 46, at Lewes. Rackey.

Oct? Ipswich, G. Fawcus:

5th Oct. 50, Brampton nr. Carlisle, very fine, J. H. Hodgkinson.

plumbeolata Haw 360. Ste. Wood 24 f 674. — c May Lanes from Dartford to Darent w. S.E.
c.b. June

subfulvata Haw 357. Wood 25 f. 675. — Eastling: Darent & Brick w: Weedon Park. Gladstone Surv. S.E.
disparata ♀ Hub 47 f 247. — c. May, Woods
Deydata ♀ 6, 2, 114. — Aug. 6. Sandwich Dams, J.W.D. 8th w. Bristol.

cognata Ste 3. 288. Wood, f. 676 — . w: Edinburgh: Fleck. M.B.

succenturiata L. Haw 358. Wood 26 f. — July Cosnal & Darent w:
disparata ♀ Hub 47 f. 246

Cat. Artemisia vulgaris

Centaureata Hub. ♂ Haw 358. Wood f. 679. — c June Gardens Epping. Newcastle
signata Sod. — Aug. 12th Blackrock. Cheshire
oblongata Hum. 4. 12.

Cat. Centaurea scabiosa on Downs & Achillea millefolia at Saltburgate
Pimpinella saxifraga, Tiller

fuscata Ste 3. 288. Wood f. 678. — Jul. Ke Meadows w: Croydon
Mirutaria ♀ Hbn. 5. 119. — 5 f. 145 & 146 — Sun Burnet, June 25th near Brid.

nanata Hub. 75 f 387. — c Aug. Brick w. Darent. Hertford. Gibside. G. M.
angustata Haw 362. Wood f. 680 — Weston on the Green. Bicester Kent.
c. June
c. July Parley, Heath. S.E. — Aug. Heathy banks, Bournem.th com:

cobrinata Hub.

irriguata Hub 71 f 397. — June Darent & Brick w. Trunks of oaks, New Forest, S.S.
insignata Hub. Beit.
variegata Haw 362. Wood, f 681. — c. May. Wrentham. Glanville Wootton
Mar.
Apr. 4 trunk of oak w: Lowrage wood, Mr. Gaze.

consequata Hub. Haw 357. Wood f 682. — c June Brick w. Langton wood Yorksh.
b. Jul Woods

venosata ♀ Haw 357. Wood f. 683. — c. June Darent w: 27th Bristol
decussata Don. 8, 266, 3 — c. June Gardens. road side w: Bungay
divisata ♂. — May not raw in Grundon lane w: Sudbury, W. Apr. 24th came to light.

921 Hypsia Ste 3. 292.
Auroraria Hub. 12 f 63. Haw 310. Wood 24 f 685. Ste: — June w: Croydon: Bristol: Nor: Somersetsh: Holt, Forest. S.E.Z.
sanguinaria Hub. Beit. — b. m. Jul. Haming Marshes Nor: w: Hayling S.E. Jun. & Brick & Haggerston
variegata ♀ — 2d June Common — from June 22 to Aug. 7th
amoralis W.V. — Aug. 20 large grass in marshy meadows S.E.
Cat. Plantago major.

922 Minoa Ochs 5. 2, 445. & 6, 2, 248.
Euphorbiata ♀ Don 5, 153, 1. Haw 325. Wood 24 f. 687. — c May. Coomb. Darent. Epping & Peckham wood
b. June: Sandy wood. Shady groves. amongst Spurge New Forest S.E.
c. Jul. Bodean hanger. very abund. in 1844.
Cat. Euphorbia Cyparissias & Esula.

922b. Odezia Bois. — Tanagra Duf. 7. 112.
Cherophyllata L. Don. 7, 233, 6. Haw 366. Wood 24 f. 686.
atata L. — b. June Kennington Gardens. Richmond Park. New Forest. Rochills. Gawsing-heath. Newcastle; w: Carlisle.
Jul. Tunbrid & Wells. Open places in woods
Cat. Cherophyllum sylvestre

indigata Hale: 77/399. H.D.

Togatia Hab: 90.464. Lob. 3. 1586 v. figure

bd 20+30 June, Black Park nr. Uxbridge; beat out of Spruce fir, J. Davigner.

Clausene Dict.
tinctaria vivenda Scop. Ste

Scotland.

923 Bapta Sk. 3.294. Cabera Dup:

punctata Vill. Haw 356 nub. Wood 25 f 639.
tenerata Hub. 17.91. H.E.
nubeculata Haw 355

ornaculata Vill. Haw 356. Wood 25 f 638
tenuinaria Hub. 17.90. H.E.

924 Venilia Godd Curt. B.E. 14. 647.
8.110.
quadrimaculata Haw 343. Hub. B. pl 6 f 2
E.E.B.B. Wood f. 711.

macularia L. Haw 343. Don 7, 251, 3, var
Wood 25 f. 710

Epistigratis Hub.
925 Rumia Godd 8.105. Sk 3. 173.
cratægata L. Haw 298 Hb. f. 1, 6
intégrata L

926 Siona Godd 8.112 Idæa Och: 246
dentata L. Haw 317 E.B.E. 691 c.

927 Abraxas Lea Curt. B. E. 515.
Pantaria L. Haw 317. Sk. 3. 246. + 32 f. 1.

Ulmata Fr. Don. 9, 293, 1. Sepp 1, 3. E.B.E. pl. 515 Hawa
sylvata Vill.
fauthurata Hub: Beit.

Grossulariata L. Don. 1, 4. Sepp. 2, 2. Haw 316
E.B.E. 515.

Lomaspilis Hub.
Poecilohavia Sk. 3. 314.
marginata L. Don. 9, 293. 2. Haw 338. on 26 f. 733.
α nævaria Hub. var 15 f 79.
γ pollutaria Hub. var 15 f 77.
δ maculata Hub: Beit.

928 Zerene Steif V. 2. 244 Curt. B. E. 12. 643.

Mesoleuca Hub: albicillata L. Don. 6, 202, 2. Haw 337.
Wood 22 f 603.

ablusata Hub. Fr. Haw 337. H.E. Wood 22 f. 605.

Melanippe Dup. P. III.
hastata L. Haw. 336. Don 4, 129, 1. 273
hastularia Hub: var 69 f 356.

Cosmia Dup. 3. 110

June Darent w: Epping. Weston on the green
e. May, shady groves chalky hedges

June Darent & Birchwood Cumb. in Southagate fields
Weston on the green
e. May shady groves. L.

6. May Colney Castle & Cromwood L.
Apl. pathways in woods

Newman shows melanimally black.

e May pathways in woods round London. Epping. Bishops wood Hainault
July wood alley Warwick: Cayhd. Weston on the green
Bagley wood pine May to 17 June
6 l. Lamium album & purpureum

6 Apl. Hedges & woods round London. Norf. Suff. Epping
6 June. Scott Island.
6 Aug
Oct
Cat on apple, Sloe, White thorn.
e. B. E. 691.

6 June Chalky places n. Langport in abundance in Brown wood
Aug Holbrook wood n. Houndtor Dawlish Devon, among long grass round the
Black thorns. Chains, Darent, Cobridge wells
Cat on Calcopsis Gale & Willow, early in Spring, Dr Boid.

July Devon

Aug. Sandhills Ch of France.

Ulmata Fr. Don. 9, 293, 1. Sepp 1, 3. E.B.E. pl. 515 Hawa
sylvata Vill.
fauthurata Hub: Beit.

on June Charmouth. Elms. 20th to e. May in great abundance.
25 June Dumbles Ch e. J. 6. 16th abund. in Birch Alnus wood, Dolcoran
6. June woody lanes Cors. 4th w. Matlock, abund. F. Leighton
m. Jul: skirt of Neon wood, varied
Cat on elm, beech, oriental plane, horse chestnut & Sept.

e Jul. Hedges & Gardens. 6th com. in Bordeaux
2 Aug. Forest w:

Cat on ash, elm, black-thorn, Alnus, Willows, Sept. & May.

May abundant in woods, bushy places & thickets
to
Aug:

Cat on Sage, Trembling Poplar.

Melanthia Boisd. Melanippe Dup.
Dup. P. III.

6 m.e June. Kent. Norf. Baron wood Armathwaite Carlisle
Meldon Park, Gibside; Tunbridge wells. Paths in woods
Knaresboro & Leonard wood n. Lancaster. Westmoreland.
Cat on Raspberry

abundant Darent & Birch wood; Kew Pond, Ripley, Weston on the Green
m. e. Aug. Epping; ~~Tunbridge~~. Hedges.
e May, 6 m. in plantations in Albury
Cat. Euonymus Europæus.

6 June, open places Cornish wood among Aspen Birch trees, Nettles, &c
6 June foot of Ben Mor & Ben Cruachan Lady Harvey

borrowed at Edithburton

Melanthia Dup.
fiocellata Hub — Wd. — [illegible] Darent & Birch wood; Nutfield; Down; Merton on Epsom; Elstring; Tunbridge; [illegible]
[illegible] Hub. [illegible] Haw 6. [illegible]
[illegible] Hub. about Bingham wood [illegible] Sandwich [illegible]

rubiginata Hub. Haw 333. Wood 22 f 606. — Chiswick Garden Kirkley. Merton on Epsom green. Rae hills [illegible]
abbreviata Haw — [illegible] Newcastle, Melton [illegible]
contaminata Bork. mag. — [illegible] Bolsover & Chesterfield [illegible]
trignata Haw 333 — vitrata Grey — Cut. Alder.
[illegible] Hub. [illegible] — Esq. Carolina, [illegible] Prussia [illegible]
contaminata Steph

Eupithecia Curt.
ocellata L. Hub Haw. 331. Ste. — Wood 21 f 562. — Chiswick Garden hedges in woods
lynecata Don 10, 369, 3. Pal. — [illegible]

Melanippe Dup.
Melanthia Dup. & Hb. Ste. Eulype Hub
tristata L. Hub. Haw 333 — near Dunstable, Hertfordshire, side of hill amid wood; Dale [illegible] Tomswick, Finchley near out of woods & [illegible]

Eupithecia Hub.
subtristata Haw 332. Ste 3. 223. Wood 21 f. 567. — in Mary Woods & hedges
contristata Don. 15, 513, 2.
alchemillata Hub. 71. 370. Lunn 1. 526. — [illegible]
annulata Hub
degenerata Haw. var 333
sylvaticata Haw. 332. Wood. 21 f. 568. — Hub. hedges chalky place
rivata Hub. 73 f. 609.

anguldata Haw 332. Wood. 21 f 569. — [illegible] Hucknall & Burcher [illegible]
immundata Hub [illegible] f. 556.

bicuspidata Haw 326. Ste 3. 225. Wood 21 f 570. — Lunn, Pathways & woods outside [illegible]
picata Hub 84 f. [illegible] — [illegible] Rotherham

galiata Hub. Haw 332. W.V. — Wood [illegible] f. 565 — [illegible] Hedges, Sussex [illegible]
nodobata Haw var 331. [illegible] Wood [illegible] f. 565 — [illegible] Dove, Sussex, Devon, [illegible]
tenuiata Haw var 333. Wickham & Dover Wood f. 565 — [illegible] rocks & of Portland [illegible]
chalybeata Hub. 67 f. 350. — [illegible]

Electra Curt. B. E. 603.
rufata Hub. Haw 333. Don. 14, 479, 3. Steph 2, 14 — Lunn, pathways woods. Hedges, Kent, Kent. on [illegible]
corylata Hub. 67 f. 4. — Wood 21 f 572.

Lampropteryx Ste. 3. 233
suffumata Hub. Haw 333. W.V. Wood 21 f 582. — Apl. open places in woods [illegible]
picata Ste. var. 3. 232. Wood 22 f 583

silaceata Hub. Haw 333 W.V. Wood 21 f 571. — Apl. Woods. Dover & Museum Gardens
insulata Haw Var 330 — May on a hill near Lyndhurst.
cuneata Don. 14, 487, 2 — Lunn walls & hedges amid wide

Megalophia Ste.
prunata L. Haw 322. Don 7, 233. 1. Steph. 1, 5 — Aug. skirts of woods & gardens. Lunn.
Ribesiaria Bois.

sagittaria, Fab. Stro prove allied to fulvata Hb. 930
comitata Hub. 60 f 310

June, Burwell from Board Sky, heath & at night, Carlton amongst rushes
[illegible] Salix bushes & heathers, R. Shuttleworth

albicornata Curt. B. E. fig 603 ♀

ex. the Hon. Leon, Raiter.

[illegible]

[illegible]

Polypliasia Ste 3.227.

929 Electra Ste — E.B.E. 603.

acomma-notata Haw. 325. Fr. Wood 21 f. 577.
russata Hub.

c May open places in woods
b Jul. Hum.
e Aug Hedges Devon, very com:
m Sept.

γ perfuscata Haw 325. Wood 21 f 580.
β saturata Steph var. 3.231. Wood 21 f. 579.

May. woods
b. June in a lane, Hum S. B.

centum-notata F. Haw 324. Wood 21 f. 578.
russata Hub. 86 f 245. W.V.
cincinnata Don var? 15. 510, 1.

c May open places in woods
b Jul. Hum
e Aug Hedges Devon, very com:
m Sept.

β marmorata F. Haw 324. Wood 21 f 575.
α amoenata Steph var. 3, 228. Wood 21 f. 574.
Passeraria Frey.

July hedges, Westerham, Kent. It is single brooded
Aug. Blair Athol.

immeritata Haw 323. Wood 21 f. 573.

b m. Jul. open paths, Birch wood, Bordeau
m. Aug: var: behind Castle Dover

δ boreata Curt
concinnata Ste 3, 229. Wood 21 f. 576

7 Aug: rocks at Arrochar borders of Loch
1825

comitata L. Haw 342. Steph 2.4.
Chenopodiata Hub: 58 f 299. W.V. Linn:
dotata Linn: Mus. β
Transons Rocket of Lep. 320 fig 3.

e Jul. weedy banks

Eat on Chenopodium

populata L. F. Hub. Steph. 2.1. var

impletata Steph 2 165.

7 Jul. nr Perth upon beech trees
30 Jul. weedy banks Cumberland, among, & Sallows by side of a stream nr Goatfield, Arran S. B. & m. Aug: nr the cave of Fingal Mountain
19 June Spitchwick Devon.
Aug: Inverness, S. Leighton.

testata L. Haw 342. Ste
achatinata Hub. 58 f. 298. 299. Wood 22 f 592 8?
108 f. Wood 22 f 593 9

b May thickets & bushes
e Aug. New Forest, Lyndhurst. Hum S. B. among alders, rare
m. Aug. Arran; Thom Mcer. var.
9 July, Charlton.

sinuacriata Haw 341.
marmorata Hub. 54 f 279.
dotata Clerck. 5 f. 15.

e June gardens

pyraliata Hub. F. W.V. Ste
populata Haw 341. Clerck. Sc. 5 f. 13. 14.

Wood 22 f 594 10.

e June Hedges
b. Jul. 6th abund: mothing at Boscam: W. a S.

fulvata Hub. Forst. Haw
ovata F.

Ste. Wood 21 f. 561.

b. Jul thickets & bushes

930 Eidaria Ocb. 442
propinquata F. Hub. Haw 334. Wood 21 f. 560.
ligneata Don? 10. 349.

m. Apl. S. B.
b. m. Jul. thick woods, Settle
e Aug
b. June New Forest. S. B.

Anticlea Ste 3. 236.
badiata Hub. Haw 325. W.V. Wood 22 f. 584.
Berberata Don 14, 493, 1.

b. Apl. skirts of woods
e. Mar. not uncom: on Sallows blos: Effusing moth is able brooded H. D.
May. It flies by moonlight, nr Maxwellburgh, E. Haddon.

Anticlea Ste
rubidata Hub: F. Haw 325. W.V. Wood 22 f 586.

b. Jul. woods
m. June, nr Aldwinkle, Northants H. D. 28th from a hedge nr Lavenham

berberata Hub: ? W.F. Wood 22 f 585.

sinuata Hub: Haw 326. W.F. Wood 22 f. 587.

derivata Hub: Haw 326. W.F. Wood 22 f 587.
fimbriata ?
mamaria ?

Hydrionemera Hub.
931 Eupithecia ~~Ste~~ Curt: Euthalia Ste
elutata Hub. Haw 321. Wood 22 f 611.
fuscomitata Don 11, 386, 3a
virgata Vill.
nonridania Haw. var. 3
inthlowiata Hub. Haw 321. Stef 2, 5 Wood 22 f 611
cilerata Donz, 299, 2.
fibrosiata Thunb.
subcinctata Grey.

Thiosia Hub. Silocera Ste. Chloroclysta Hub: Ste
Pertinacata Hub. ? Haw 329. W.F. Wood 22 f 609.
nubrovirdata Don 11, 485, 3

miata L. Don. 11, 479, 3. Haw 328
coraciata Hub: 62 f 278.
luctuata ?

932 Larissa B.E. 7, 324
Eulima Ste
imbutata B.E. 324 Hub. f. 78, 203
vorniata Hub?

Anaitis Hub. 8.111
praeformata Hub: 63 f 532 & 53
cacciata Ochs: 6 2. f. 85

plagiata L. Hub. ? Don: 7, 233, 2. Haw 318. Wood 22 f 604
duplicata Don: var.

933 Lozogramma Ste 3 238.
petraria Hub: Haw 344. Curt. B.E. f. 623.

933 Phibalapteryx Ste. Curt. B.E. 623.
Plemyria Hub: angustata Haw 340. B.E. f. 6. Wood 22 f 616.
gemmata Hub 255 f 285.
albicinctata Haw. 344 & Ste 3, 200.

Mesogramma Ste. lineolata Hub - Haw. 340 B.E.

virgata Curt B.E. 13, 11. & 23. f

Phibalapteryx Ste.
signata Hub: Haw 340. Curt B.E. Wood 22 f. 614.
lineataria Don: 11, 485, 1, 2.

Capitata Hub 63 f. 324. N.D.
subrufata Hübn 347. Wood 26 f 744.

June, hedges Norf. in a garden at Lowestoft, Cole, age.
2 May, 44 f Epping, N.D. bred by J. Bond.

6. Jul. woods nr. Dartford. 18 June, J.C.D bred 24 16 larvae.
Bordeau Capt. Clemens & Paget
Eat on tops of trees Mon hunger, very fine J.C.D. Bred by Doubleday
Eat on Galium verum & Devil's Ditch, Mayenchet.
6. June. woods. Ambleside
Eat: on Pine, Douglas, on Root, 2nd Garden, Nayes.

Eat on Roses, Sweet briar, Austrian Rose.

6 Jul. Cl. & Little Orton, Carlisle: Rockcliffe Wood, on ash & green
? nemorette - skirts of woods
m. Jul: Bordeau, 28th Bred ?.
Eat: June fed on Beechnuts & oak leaves together. Larvae flesh colour with black red marks.
6 May. Lowe & Darent woods. Meldon Park. 25th Coburg, roc.
June: skirts of woods
15 May 4th June Farm. Haleigh.
Eat. Birch. Hazel

m. Oct. nr. London. Brighton. Marron-wood, Carlisle. Cl. Wood trunks of trees & in thickets, J.C. 26 Oct. Elm leaves, Horbury Pl. Cheltenham.
m. Aug. ? of Portland among st rocks. Mayes fresh on Fallow Epp. Epping.
Autumn. Brighton. Meldon Park, Newcastle. Newling coll.
6. Sept. Orton. Epping. Bates
m. Oct. on hill, Lowestoft. Sep. June & ? Nat. Norwich. Gurney.
Eat: Bramble

Anaitis Hub.

~~8 Aug. 1825 Lancashire~~ J.C.D, bet. Invernaid & Loch Katrine
nr. Manchester, R. Wood, Comm.
Aug: Cumberland moors, Invernaid. C. Leighton
6th Aug. 35, 33 at Preston Lancashire. R.K. Dyhouse.
by Doubleday

May. Middlesex nr. Ludlow
6 June Chalky places North & Scotland. among st ... Dry. ...
6 Sept. Linton, Devon.
6 & July Park & Voice of Cliff Turnut
among st Ludlow
Eat on Hypericum perforatum

6. May. among st fern Cornus nr. Dent Hrd: Epping: Rock
6 June: cliff, Orton. New Forest on heather & brakes, conceal'd itself by
6 Aug: Day when disturbed

6. Sept. garden, Camden Town. Tranillon

6 June: chalky meadows. Brighton & Lewes, Sussex; Devon.
6 July Devil's Ditch, Mayenchet Heath
m. May Denes Lowestoft & Yarm. 16 June Lowestoft
Aug. Denes Yarm in abundance. Mr Paget & among st grass & sandhills Sandwich nr. Ch.
Eat. Galium verum.

Norf.

Sandhills near Cambridge. New Forest.

6. Aug. marshy places
by sides of a Ditch Lancashire J.C.D.
m. June & Dewsbury Northampt. J.C.D. 18th Summer with Fly Tab. Wright, Barwell Bard.

Nov. 30 said: they are very susceptible of cold.

Gypsochroa Hub:
clarkeata Cant MS.
nivea Wr. Hub: 41 f. 217.

Aug. 7 1849
taken at or near Hertford by Mrs Clarke.
West Harling. Norf. Cab.

aquata Tr.

Hammersmith, Courtney.

Helianx Linn: Cuneata 195.

Carolina Lobelia 5. 197. & Cat. 2.3.5.

28 Aug: 1796. Taken at Mr. Lowes, Isle of Wight by Mr. Thomson a friend of Pickard, they are in my Cabinet and I have in Pocket for Mr. Cat.

5. maculata Lam. Carolina Don. H. 361. Sty. 3. Ste 1, 119.

Cat: Potato. Orbaces
near the Water works Chelsea 2 & 1 bred by Mr. Mr. Lowe of Leeds

Convolvulus L. Don 7. 228, 229. Cap. Pimbleham.

Cat. upon Convolvulus. Mr. Atkinson of Leeds David & had the roots
Sept. Norwich, Lowestoft, Yarmouth, Cullum on the marvel de Pere Sept. about Dusk 25th Sept. E. B. Thomson. [illegible] 1842 [illegible] Aug: 6, at about Petunia & Barbara Lathaet & Ipomoea. [illegible] Sept. Lord [illegible] Perset. 1820 hundreds taken in Jamaica in Sept. 1820 [illegible] & Ipomoea.
Sul. Cat. Convolvulus.

Drosera Don. 2. 269. cuneata P. Lonsdale Smith & Abbot

Sept. in a garden on the leaf of a Rhubarb & Cantinth. [illegible] Bishops. [illegible]
Cat on [illegible]

Liquiri L. Don 8. 282. Stipe. [illegible] Trans. Lon. Soc. Lond. 1833 Minute anatomy of Lunaria

& Sul
Succulenta of Lucania. 4. Dec. Delme p. 357.
Sept. Cat. Privet, Lilac, Cedar, Aster, Hibiscus & Julus.

Cuneata L. Don 7. 296. Stipe [illegible] 1, 4, 5

June. Colney Hatch wood Mr. Fisher on trunks of Pines Lonicera good at Edmonton, Sept. times, Mr. Wilson. on root of a fir on Lathing foot of Steddaw 1827 Mr. Marshall Pinus Pinea, Cupressus, Thebus & Chinensis, Rue de Boulogne, about Cat. Pine June - Moore & Beckwith Cat. N. America.

Lobelia L. Stipe 1. 122. Wood 53 f. 25.

Lobelia L. Stipe 1. 122. Wood 53 f. 26.

~~Lobelia Cat.~~ N. America

Dalechampia Cels. Cuneata P. 2. 3.

Euphorbia L. Cuneata 1. Stipe 3 - Don. 7. 1892 Hana

Sept. Abbotsbury & Brampton Barrows
1820. 15 Cat found 1812 about 3 Oct. 1819, one
22 June 1819 Green wood Mr. Michael.
Sept. Aug. Pell Fed Mr. Gourley, Gregory, Jesse of Eight Mania for Mr. Pattenden & Mr. Mr. Sept. cat. on Sea Sponge [illegible]

Galeri Gab. Stipe pl. 12. f. 2. Cuneata pl. 6.

Sept. near Perganum Cornwall. Kingsbridge Devon
Sept. road Lond. 2. & at Colchester, Chamouth Mr. Lockey.
Aug. on Honeysuckle in the evening at Lowestoft Mr. Butcher & at Yarmouth
Aug. on Sponge of Lapis [illegible] Aspen Bryan. G. A. Knight
Sept. Cat. Pansy Ray [illegible] Wildmudder
on Gaudinum [illegible] Sullivan on Mullein.

15 Sept. 62 Mansfield on Bury Lincoln: June 6 R. L. Colston

Lycopodium Cel. Gab. Stipe. Cordelini Fries. Cuneata Pang. Stipe. [illegible]

June at Mr. Allingsgate & Bethnal Green. Deal, Kent.
Allingsgate Wof. 2. & Kingsbridge Devon
[illegible] in a garden at [illegible] Cambridge [illegible]
Sul. Cat. Galium verum & [illegible]

Daucus Gram. Stipe. Cuneata P. Gav. Don 6. 202. 1. Stipe 1. 126.

June at Sunderland of Backhouse the correct Cornwall.
Mr. of Mr. American.
Sul. Burnet [illegible] Pelham Kent. Kings Road Chelsea.
Aug on Honeysuckle in evening at Lowestoft Mr. Butcher. [illegible] Southwold Mr. P. Cambler Solham, Camb. E. Lynne Esq.
Sept. at West Lothian near Dunbar, E. Lothian
8 Oct. Cat. Monmouth, near Wisbeach, Isle of Ely. 6. Oct. near Brighton 1832
Aug. near Birmingham
Cat. on the Vine & Galium verum. Over Vine, Paddington 16. Aug

Chaerophyllum Desf. Cuneata Gav. Don: 6. 190 & 19. Stipe 1. Stipe 6. 1. Inquilinus Warn. Espo: 93. f. 28. f. 1.

Is an African shrub

polygrammata Hub: Curt. B.E. fol. 623. — Norfolk & Dorking & Cambridgeshire.
cognata Ste: Wood 22 f. 616. — April, H.D.
June, Bunwell fum & 19 Aug. at night, Bord.

vitalbata Hub: Haw 340. C.R.E.B. Wood 22 f. 613. — June Darent & Ne wite next. Birch
c. May, hedges near chalk. 21st w. Sudbury
9th July Sandestead.
Cat: on Clematis vitalba

persata Hub & Haw 339 C.R.E.B. Wood 22 f. 612. — June Darent & Birch wood, Ripley & Hartford. 28th w. Lavenham
Emulata Hub? — c. May hedges near chalk
3 July many at Bordean Junior. mid. & fine. 9th Charlton
Cat. Clematis vitalba

934 Larentia Och. Leofosia Ste 3.259
Schidas Hub. Sparsaria Hub. 77, f 398. Wood 23 f 620. — c. June New Forest.

Philerene Hub. vetulata Hub. Haw 320. Wood 23 f 619. — c. June, Darent & Wrotham: Bulham: Coleshill: Epping
Weston on the green, Chalky places in wood.
9 July Sandestead Downs, H.D.
Cat. Buckthorn

Rhamnata Hub. 3. Haw. 339 — c. May Darent wood, Epping: Ben Hord: Weston on the Green.
6 June. hedges w. chalk pits
29 July, Charles's Gardens Rotford
Cat: Rhamnus catharticus.

Cuspidosa Ste. 3.261.
cervinata Hub. Haw 318. Wood 23 f. 621. — Cat. w. London on Palis & in Gardens. 25th w. Bristol. 30th Dalwich
certata Och. 6.2.72. Hub: Fir. R. 66.
ancipitata Tr. 5.2, 440. — 15 July.
Cat. barberry

cinerata Ste 3.263 var: Wood 23 f. 623. — July c. Ripley

dubitata L. Don 7, 246, 2. Haw 318. Wood 23 f 622. — c. m. May. Kent. Surrey, Cambridge & Aller
m. July. w. Edinburgh, Carlisle, Newcastle. end, fine Bordean. J.C
11 Aug. Hedges & Gardens Sandwich
Cat. Buckthorn

935 Camptogramma Ste 3.264.
bilineata L. Don. 8, 287, 3. Haw 343. Wood 23 f. 622. — c. June. hedges & skirts of woods
[illegible] July.
Cat: Lepelum dioica

936 Aplocera Ste 3.295. Acidalia Och. 5, 2, 438?
caviata Hub. Haw 330 Wood 25 f 690. Phosyle Dup. & Cant.
minoquata Haw. var 330 — 2 Feb. skirts of woods Peckham
June old walls N.E. of England. Derby &c. Keswick Ste high mountains Brown
7 July among st fir trees, on their trunks & stones
m. Aug: on rocks in great abundance at Gregranchie hill w. Dunkeld
ascending Goatfield, Arran. 22 July Rocks on Park

flavicinctata Hub: 68 f 354. Ste 3.296. f 30 f. 3. — June Cumberland. High Mountains Westmoreland, Weaver
Kinnoch. Dewes.

937 Melanippe God. (Emmelesia Ste 3.296) Curt. B.E. 9, 416
unicolata Curt — Ste. 3.298. f 132 f. 3. — m. Jul. heath about base of Schehallion
Wood 25 f 696. — 1825. June, Cumberland. Rich. H.B. Dawson water in the Lothian

montanata Curt.
~~lanceata Ste~~ — Aug: Cumberland
2 Aug. hill w. Oban. J.C.

blandiata Hub. 50, 258. W.V. Wood 25 f. 697. St — June in the North, nr. Callander, Perth & S.W.

Cosmorhoe Hub.
rusticata F. Sub. Haw 364. Wood f. 703. St — June on paling, Elham & Bexley, Coombe, Portland
Thick woods

ocellata Hub. Haw 338, 85. a var. of blandiata
S.C.D has it. D.D gives it as a var. of subfuscata.
St. 3. 299 Wood f. 699. — June Westham & Cumberland
b. Aug.

albulata F. Hub. Haw 336. St — Wood 25 f. 698.
& Eleosna niveata Wood 24 f. 684.
b. June Pathways, fields. Spring, Dale, Pastures. Grimesbow.
b. Jul. Melton Park. Rose castle.
b. Aug. Pastures, Staggid crop Hants. Newarden, Chigleton

rivulata (Hub.) Haw 335. St. Wood 25 f. 694.
hydraria Frey. 1. 106, f. 54. L.
nassata (F.) Haw 335
affinitata St.
a. m. June, grassy places in woods. Copenhagen: Chesford. Rochelle.
Mapledurham pretty common. Copenhagen fields, Wolverhampton.
b. Jul. Lamium purpureum
a. June Copenhagen fields. Chesford. nr. Ambleside
Davidson Bank F.C.H. Melton Park. Cf. Nor.

dichromillata L. Haw. 335
herbata (Hub. 49 [illegible]) St. 3. 298. Wood 25 f. 692.
rivulata W.V. Hub. 50 f. 259.
nassata F.
affinitata St. 3. 297. Wood 25 f. 693.
m. June entire Coombe, Pulborough. Kilburn, Cheshire. Hill rudi. & m
b. Jul. Rochelle. Chesf. A.B. Bexley places & thickets

bifasciata Haw 334 St. 3. 300. Wood 25 f. 702.
June. Birch nr. Dover. Cumb. Edinburgh, Plant
e. Aug. Hedges Dover S.C.

unifasciata Haw 335 f. St. 3. 300. Wood 25 f. 701.
June. Westham & Bexley nr.
b. Aug. open places in woods

Commitis Hub.
rubricata Hub. 21, 111. W.V.
St. 3. 77 f. 1.
nr. Dover, Wye, Kent. near Deal
b. Aug. flying in a day in North Foreland Meadow. S. Staindish
July Rev. H. Heggall. Tetsu flying over a heathy waste at Ed Dunham
nr. Southwell.

decolorata Hub. Haw 328. Wood 25 f. 692.
27 f. 233.
b. June Hedges & lanes in fields Hulmeville, Ingleigate
alley Hertford. Epping. Weston on the green. Newcastle. Keswick
July Pathways in woods Hants. Sudbury

Nola N.
luteata F. Hub. Haw 352. W.V. Wood 25 f. 707.
flavostigata Don. 11, 386, 1, 1.
centrata F.
e. May, open & lanes nr. Ripley. Epping. Hertford. Dover
e. June Weston on the green. Newcastle. Kirk. U.B. Sandstead
Open places in woods

candidata Hub. Haw 352. W.V. Wood 25 f. 706.
immutata F.
[illegible]
June round London & N. of England, Kingham
e. May open places in Cornell Wood. F.C.

Hypsoleia N.
cuculata Hub. Haw 329. W.V. Wood 25 f. [illegible]
testaceata Don. 12, 487, 1
June Coombe, nr. Ripley. Rose castle. [illegible]
e. May. chalky places & woods Kent.
b. July [illegible]

938 Psychroboa Steph. 3.305. decidalia Steph. B.E.S. 384. Dovilliea Bof. f. 108
ossecata Hub. 18 f. 102. Haw 353. W.V. Wood 25 f. 723.
a subochreata St. var.
e. June Coombe & Darent nr. Hedges. 13th at Lamminmuir, Aufl.

dividata L. Haw. 353. Wood 25 f. 715.
scutularia Hub. 72 Ann. S.E.S. 1. 17. pl. 9 Lemaire Dup. f. 23 f. 2.
centata F.
b. June woods & Hedges nr. London, Exmouth. Kirk. U.B.
Weston on the g.
b.e. Jul. Birchwood
Cat. 30 May in dead faggots. 7th June pupated, 29th moth hatched
maggots of Osphia Dovilliea. Live in them & form a cocoon in decayed wood. f. 8. 10

in profusion amongst grass, Carrar, Stirlingsh.

tamiata Ste.: Ill. 3. 299. fig. 32 f 2.

"July, Cumberland. Scotland, I. & D. Ireland I. & q.
Inv. 30. Spring. Pen Castle eden Dens, G. Wales. 83.
Bulg. Inverted I. & D. 12 d.

Blomeri Curt. B. E. q. 216. Ste 4. 393.
Sulcharia Fischer B. S. I. M. 3. 557 f 6 f q.

Spring bad for Blomer autumn of 1832. & 3.
on 25th July dark shady places, Castle Eden Dean; on gorse, Birch & alders Hampton rocks w. Bath & Norwich
nr. Bristol. Ruston Lancash: 1833. Eskston. 22 50, two Goblin-w. Upton
Cat 94 on Hazel, Scotch elm or in Castle Ithon Wales.

holovericaria Pan.

Duf. Sup. 4. 109 f 59 f 7.

Inv 30, Bott St. Vincent's rocks, Lic. Durham Downs.
July 3

. bigeminata Haw 354	June Darent & Birch woods. Weston on the green
. scutularia Hub: 12 f. 73.8 on	e. May hedges, chalky places, Darent Lime S.E.
. bisetaria Goda. Eng. Wood 25 f. 716.	
decoraria Hub. Haw R. Wi. - 54 f 65. Wood	not British, does not belong to R.S. Division.
incarnata ?	
Deidalia Eng. Eng. R. 2. 984.	
. dilatata ? Hub. Haw 356. Hb. 3.30. Wood 25 f. 712.	non Hub. June hedges on ? wood. Lewes. Darent. Epping S.E.
. nervosaria Goda Eng	b. Aug. Newcastle. Whitt N.W. Bute
α fimbriolata Hb. Wood f. 713.	b. June n. London
β cinerata Hb. Haw Wood f. 712.	e. June Birch Wood. e. Aug. Hedges.
. scutularia Dup. f. 174 f. 2.	
. virgulata Hub. 19 f. 104. Haw 354. Wood 26 f. 725.	b. Jul: common everywhere in hedges
incarnata Dup. ?	
. inornatefasciata Hb. 3.310	. n. Brockenhurst. n. ? Parley old line
. subsericata Haw 352. Wood 25 f. 726.	June hedges n. Darent n. Weston on the green.
	Jul. open places in wood. 18th near Wilton
	e. May. b. June, by beat, Dudham Downs, Vaugh.
. inornata Haw 349. Wood f. 727.	June Darent n. Weston on the green
suffusata Dup.	e. Jul. open places in woods
. continuata open	
. remutata L. Haw 349	b. e. June. woods round London. Newcastle, Crumrid n. Dover. Wadley Cheshire
	b. e. Jul: S.E.
	e. Sept. shady groves
. aversata L. Haw 349. Hub. Wood 26 f. 728	June woods round London. Wadley
α lividata L. on	m. Jul. shady groves, com.
β remutata Haw on 349. Wood f. 720.	e. Sept.
fuligineata Haw 350. Hb 3.312	June London. Francillon
. funerata Curt. f. 3 e. f. 38 Dup. f. 83. not described Hb. 3.312 Wood 26 f. 730.	2 Jul. Heath n. Schecallion vicinity of Rannoch Ch.
nebularia Hub.	e. June n. ? Ashburton Devon. 17th n. Gatehouse. 5th Aug. Forest
. incanata L. Poeci 3, 11. Haw 350. Wood 25 f. 718.	b. June corn of Norf. Dover. Christchurch. Teignmouth Kings bridge. Cummer, Dale. S.E. H. Clifton S.E.
immutaria Hub. 20 f. 108.	25th Aug: took 5 amongst bolts fort & on Barton Cliff, mins high, they stuck close to the ground. 23 at Lakenham, Suff. Albin on Cliff. Spinalle.
	e. Sept. Upon stones Norf. Hb. - on Mullein. Garden. Mentham, worn, 1847.
α contiguaria (Hub 20 f. 105) Haw 350. Wood f. 719.	June Norf. n. ? Dover, barrackwall n. Norwich
	3. Jul. Mentham Suff.
	m. Aug: grassy places, Dover.
lactata Haw 351. Wood 26 f. 731.	June woods round London
	e. May shady groves; Dover, n. ? b
sublactata Haw 351	e. May, shady groves

8. Cocksii S.E.D.

17. ferochraria F.R.
~~pallidaria~~ Cust. fol 384. Hub?

Scotland, Cockle & net of grass in island, by E. Stephen.

22. subviaria Hub.

obsoletaria Rambl. F.A.

9. degenaria Hub. B. E. 8, 384. p. Ste 4. 394.
H. 57.

24 June 1834 1♀ on a block of stone back of S. Portland. 10th Black E. Mine Stretch.
20 June 1835 1♂ Dumbiccas S. of Portland S.E.D.
20 Jany

immorata L.S.H. 1, 528. Hub. 25 f. 133. Ste Cat.

floslactata Haw 351. Wood 26 f 732. — e. May shady groves
nemutaria Hub. 3, 3. — b. June Woods round London, common. South Muffton
centrata Fr.

ornataria Hub: ornata F. Haw 355. W.V. Wood 25 f 717. — June Darent. New Forest. Deacon. Weston on the green
fasciata Sam. Fill. — Jul. chalky places: Kimpton Hills amongst grass. Whitlebury 14 Aug. Dover. J. C.

limbonudata Haw 355. Fr. 3. 307. — Francillon

immutata L. Haw 352. Wood 25 f 721. Frey. — e. June boggy & marshy places Norf.: borders of Worley mere
sylvestraria Hub. — b. Jul. Baron wood. J. C. H.
functaria Gyda? — m. Jul. Whittlesea mere. J. C.
cespitaria Bdv. — [illegible]
subroseata Haw — e. Jul. Norf. New Forest. Hetley. grassy places near the Sea, Norf.

939 Macaria B. & H. 3, 132. Steinia Duf. 7. 112
clathrata L. Haw 328. Wood 25 f 709. — e. May flower field, Chelsea District. East. Norf.
β radiata Haw 328 — m. Jul. Bolsover.
γ setata Haw 328
α cancellaria Hub. 62 f 322 — Eat. in Solanum nigrum

Euchoeca H. — bifasciata Hub. Haw 343. W.V. Wood 25 f 708. — m. June Coombe. Darent & Kipling. shady groves
b. Jul.
α b. Birch

Rhodera H. — Hypnziaria L. Roesel 2, 13. Sepp 2, 3 f 8. Haw 303 — e. June in woods & open places & skirts of
Aestivaria Hub. Boit
vernaria Don 4, 310 & Larva. Eng. — Eat. Oak. White thorn

Nemoria H. — viridata L. S. N. 316. Wood 26 f 734 — e. May June New Forest, meadows, Eckham. Epping. Baron wood. J. C. H.
Chloraria Hub. 68 f 358. Duf. 8, 349 & 210 f 1. Wood f 735. — Stephens from Francillon. w. East Tuddenham Norf. J. C.
vernaria Haw 300 — 27 June 60, on heathy bank, by Pigeon lat. Dudley chine & Poole Hant. 27 f 1850
Heathy places w. Wallace's inclosure New Forest, 40 in 1848. J. H.

Timandra Duf. 7. 10. — June Darent. Epping. Kipling. New Forest. Weston on
imitaria Hub. Haw 297. Wood 26 f 708. 10 f 21. — e. Jul. the green. Alderley Cheshire. Devon. Bordeau in Lanc. & Bristol

strigilaria Hub. Haw 350. W.V. 20. 139 — b. Jul. chalky places. skirts of woods Darent
variegata Scop. Fr. 3. 318. Wood 26 f 739.
prolaria Bdv.
ocularia Hub. 69. — [illegible]
emutaria Hub. 68 f 358. Wood f [illegible]
subroseata Haw: var: 351.

July 5th Eat. Lyndhurst to 22nd. Eat. Hedges & places by bridge to Boldeau New Forest. J. C. H.
June Darent Wood, Sevenoaks. 6. 8. 1845 abund.
e. Jul. Norf. Hetley; grassy places near the Sea, Norf.

Acidalia Hb. 2. 521.
emarginata L. S. N. Haw 347.
demanii Sc. F. Fill.
4-punctata Don 12, 493 f 3
dimidiata Haw f 347.
rumigerata Don 12, 493, 2 f

e. Jul: hedges & wood sides round London. Epping. Bristol. open parts in Coombe wood

e. Aug. hedges. Eckham
Eat. Convolvulus arvensis

17 pallidaria Hub: 18, 96. Wood 26/741, Ste. 4. 395. Kent, J. b.

22 rubricaria Hub: 21, 111 + 94, 487. b. Aug: flying dusk in Northfleet Meadows Dover. J. Standish.

variegata Sch: Sims. Lane nr. Darent wood.
Baron wood & Rose Castle. J. b. H.

limbata Haw 326 Sk 3.322 Wood 26 f. 748 . Scotland.

unipunctata Hb. Sk 3 f. 3 p. 321. Haw 345 France

Macaria Curt 3.132. 1826. Sk 3. Semiothisa Hub:
aspersaria Haw 345. Sk 3.327.
France

Macaria Curt. Ennomos Tr. Philobia Dup.
alternata Lep. 3. 2. 3. 152. q Haw 346
alternaria Hub:
fr.
Elm in plantations Brockenhurst, Kent, Westerham
Mitcham Park & Gibraltar. Carlisle. Mickleham Surrey
Aug: oak & ash groves, fir groves &c: Ringwood Hants. Sept. & Oct. & Aug. Rimmington
Midl: on the earliest received, nothing, day on bounds of Ches. ... 26 about
France. Eton & Thos. Bentley.
Oct. Scotland, Weaver, Sale Cornwall

alternata Wd. f. Wood 26 f. 745.
alternaria Hub:
aronotata Hb. 326
Elm Darent & Cowdr. woods. 6
6. May Birch tree

notata L. Haw 326. Wood 26 f. 746.
notatania Dup.
6. June Darent Birch & Cobham: Dover. Carlisle.
6. May Birch trees. in New forest.
Oct. Wilmslow. oak.

920 Durasteryx Lea. Curt. B. 508 Acrona Ochs: 2, 224.
Sk. 3.174.
Cucularia L. Dou. 5, 170. Haw 297. Esp. 11. 6. Jul. Hedges
6. B. 8. p. 508 Lama Dufour Lam. 8. 6. 207.
G. 6. 13. 356 & end 3.
Acrona Tr.
Oak. Cornfield, Oport, Sussex, Lancaster, Maple, Cambridge & Oct. some were bitch
Cambridge, Hamm. & Kent, Hampshire, Hertfordshire & the middle & South & Scotland.

921 Ennomos Tr. Lep. Acentria Dup. Lep. Lasiocampa Geum p. 13
Lep. Lep.
lineola Wd.
linearia Hb. Haw 327
flexularia Hub:
Geum. 27 Oct. Lat. in woods. Sept. & Oct. Aug. Oak
6. Aug. Hollow in the green. Kent. Surrey Esp. 17th
6. Aug. Pathways in woods Cobham, Lat. Hamm. Cross 54. Hollow 263
Hollow Park. in Surrey.

922 Platypteryx Lasp. Lat. Geum p. 11. Ochs: 4, 97. Sk 3.555. Falcaria Haw: 152.
Lep. Lep.
falcatula L. Dou. 7, 251, 2. Lacertula Ochs. 4. 97.
falcula Hub. 12 f. 50 Hub. 12 f. 49.
falcula Haw. 152, 6
falcularia Lea var. Sk 4, 5. Wood 26 f. 752.
Dentaria Thumb.
6. May Birch trees
6. June Darent & Wood. Hamm. Cross 54. Hollow 263
7. Mar. 1801 Lewes, Beaufd.
20. July Eton, Sussex, Wood's, Nuneham, Hamm. Sk. 21. on Birch
6. Sep. Cat. on Birch.

923 Drepana Lasp. Schr: Ochs 4, 89. Sk. 3.
Cymatophora Hub. falcataria L. Sepp. 2. 12. Curt B. 8. p. 555 Sk. 3. 4. 6.
falcula Hub. Lep. L.
6. m. June, Woods, Houghton heath, Finley Copse, Cranborne Chase
6. May, Birch & Darent, Sk. Birch, Hamm. Chase 15.
Aug. Cat. on Birch, Alder, Crumble, Pillar, Fallow, Oak.
m. Jul. Oak woods remarkably May day in Birch woods Lavenham.
6. April Oak &c.
6. May 6. June, Clapham Park wood & Cobham. Darwich, Stag, Newham.
Cat: on sallow. Hamm mead m. Oct: Oaks & Birch trees.
S. & Cutich? & Elm, Oak.

Drepana Hub. falcula Hub: Haw. Sepp. 2, 16. Wood 26 f. 754.
falcata Tr.
falcula Sepp. v. 2 f. 16.
falcula Sk. var. Hub. 12 f. 25 q. Wood 26 f. 755 q.
falcula Hub. Haw. Sk.
unguicula Hub: Haw Wood 26 f. 756.
falcula Esp. 12 f. 48.
Jun. Richmond Park, Cl. Eud. Lake the Exposure, Epping.
6. May & Jul. Norbury Park. m. Beech, Hampstead, Mr. Dillon marsh 7 6. June
Esp: 1. Wood: Aug 27.
Cat. on Oak, Beech & Birch trees.

[illegible]

[illegible]

Fauna [illegible] Kaiserl.
Karpinska Exp.

[illegible]

[illegible] Ch'd and on Pimpinellus bifoliata & Epilobium

[illegible] on flowers of Lemna on Bugle. N. M. Bate.

[illegible] bulliferus flowers. N. M. Bate.

Scolicofunis Bosk. Lasp. Geda — Woodfordia 28. — Edwin's Graveyard, [illegible] Chalk, near Dover, Sept.
Allantifunis Nauem. E. M. I. Gy. Stephani 385.
Andromofunis Lasp.?

[illegible] Nauem. [illegible] Stephani 385. Woodfordia 31. — Gray & Dane, flowers of Hypnum Sarfyelli, Devon, Sept.
Philanthifunis Lasp.

[illegible] fist & Ang.

Lasciata. Lin.
mucida Haw. 153.

924 Felix Lea. Bombyx P. Platypteryx Lett. Feb. 2, 97.
Hub. conferrata Don: 7, 239, 2. Stew 167. Fr. May hedges & Woods
Spinula Hub. 25. Lepidoptera Hark. Hom.
rufa Lin. 2. 1868.

925 Dalias Fract. 8, 3. Fortrix Hub. Cat. B. 2. 575. Fl. Lond.
fraxina Hub. 25, 158 f. & Lav. Cat. B. 2. fol. 6
Fagana F. Don: 8, 281.
Sylvana F.

Cat. Lucerna Hub. 25, 159 f. & Lav. Cat. B. 2. fol. 575. Lamb. & Ale.
maximana F.

Cat. Ulmana Haw 347 Hub. 25, 160 f. & Lav.
B. B. 2. fol. 575.

926 Fortrix L.
Vide Duponchel's Chronologie B. B. 3. 263. Guene 2d Series. 3, 155 & 297.
viridana L. Don. 2, 142. Haw 346. Ill. Mag. 1, 287
Hub. 25. 150

Cat. on Oak-leaves.

Flavana Hub. Haw 347. pallescana Feb. 8. 94.
ieterana Hub. 25, 157 f. & Lav.

Cat. Dover Dunkley.

Cinctana Hub. 19. 123.
Liburnana W. V. Ech.

Cat. Dover

Quercana Hub. Cat. B. 2. fol. 705 & f. Lav. 296.
Alternana Haw. 396.

Cat. on Artemisia maritima

Rosana Hub. Haw 259

Lt. Tortrix L.
Forsterana F. Haw 421
Semicinctana Fisch. Ill.
vineana Fabr.
Lariceana Dup.
Mediana F. Haw 421. albin. pl. 95, f. 9 b
Sorbiana Hub. 18. 113 f. Feb. Lov. 2, 41

Cat. Sun. Garden

Carpinana Hub: Haw 422
18. 116 f.
Betulana W. V. Ech.
Fagana F. Pusgana F.
Liberana Hub: Haw 423
18. 114 f.
Pomerana Frol.
Viridana Hub. Haw 423 var.
19. 119 & Lav.

Cat. on Oak-leaves.

961. Lathyrus Ste
minithunus L.
Fumaria Hub.
officinalis Ste

Bartsia [illegible]

Pilosiana Hub. int. pl. 27. f. 172. Willdenow Herb. Sch. 8. 33. 35.
Pilosiana F. Ste. Ann. S. B. 6. IX.
Lutodana Hub. pl. 21. f. 136.
Vitana Fab. Lat. Audouin, Rose.
vide Bot. Mag. t. 316.

Isle of Wight. Mr. Saunders. Dry hilly places. Lightton.
Bogs near Greenfield. S. B. D.
Burghfield Berks

Lawn very destructive to Vines & in Stoves generally; also seeds in capsules of Iris fœtidissima.

Sumatrana Ste
Bratagnia Berg

cumanomana Ste. Hub. p. 50. Willd. Herb. f. 2
obliquana Kunth

Underwood South, Hankey. Reared from Beech leaves; Dwg:

Rosana Linn. Cat. F.S. 1312. vide [illegible] 221

Avellana Linn. Cat: [illegible] F.S. 1316.

[illegible] Haw 422
[illegible] Hub. 18. 115

Rosana not of L but of Frolich. Haw 424. Stev 188
Ameriana L. Fisch. [illegible]
[illegible]
[illegible] Haw 425. Rosana [illegible]
[illegible] 18. 117
Acerana Hub. [illegible] 118
Carigana [illegible] Och.
[illegible] Haw 425
[illegible] Hub. 1[illegible]
[illegible]
[illegible]

c. May
m. June Gardens [illegible]
Eat on pear trees, rolling up the leaves [illegible]
[illegible] hedges
[illegible]
[illegible] one of the most injurious to Roses, [illegible] Also [illegible] young fruit of fruit trees, [illegible]

[illegible]

[illegible] Haw 422

B[illegible] Haw 42[illegible] non Fab. fuscana L. F.S. 1311. non Fab.
[illegible] F.S. 1310, 216
Dar[illegible]
maurana Hub. 122.
[illegible] Hub. 20. 126

e. [illegible]

e. June. Darent. [illegible]

20 [illegible] L. Hub. Haw 427. Wilkes pl. 2, [illegible] Stev 187 18. 112
[illegible] Hub.
[illegible]
21 [illegible] Ameriana L.
Pyrastrana Hub. var
[illegible] Haw 428.
22. [illegible] Del. 1, Tab 27/9. 10. Haw 428
[illegible] F.S. 1313.

m. June Hedges [illegible]
[illegible]
[illegible]
e. June [illegible]
[illegible]
m. June and [illegible] leaves [illegible]
b. Jul. Oaks & Honeysuckle [illegible]
[illegible] spun up in a leaf of the Aspen rolled up [illegible]

[illegible] Haw 421.

[illegible]

[illegible] Haw 423
[illegible] Hub. 21, 131.
Betulana Don. 11, 369, 2
[illegible] Och.
[illegible]

Aug. open places in woods. [illegible]
[illegible] June [illegible]
20 Aug. on grass, [illegible]
12th July [illegible]
[illegible] June tops of Epilobium hirsutum [illegible] Hill [illegible]
very rare.

[illegible] Haw 423
semialbana Guen. [illegible]

[illegible] Bordeaux [illegible]

[illegible]
[illegible] Haw 426
[illegible] Hub. 21. 133
ochreana Hub? [illegible]

[illegible] skirts of woods [illegible] Harrietsham
Weybridge

	[illegible] Hanc. [illegible] cinerea Dufr. [illegible] Moderiana Haw.? [illegible]		[illegible] Bordeaux hangers, Isaac [illegible]
	Infarciana Hanc. Haw. L 26		[illegible] Hedge [illegible]
	Acerina Haw. L 25 transitana Guen.		[illegible] Coombe [illegible] [illegible]
	[illegible] Dalis Haw L 62.		[illegible]
Hofmannia Guen	cristana Hub. Haw L 26 cinerana Hb. angustana Hub. L 28 vitiana Guenée Index		near Dun Tavent Cross very fine & wood near Eg. Wootton S.C. [illegible] [illegible] Gatehouse [illegible] Dalis [illegible] hedges
Batodes Guen Dilutaria Asiatica Hub	angustiorana Haw. L 29 rotundana Haw. L 29 & var Dumerilianà Dufr.	Gat. Mag. [illegible] 1848 Gardeners [illegible] 20	[illegible] Dun Birch woods near [illegible] [illegible] Dalis [illegible] hedges Alnwick [illegible]
947 Amphisa Curt. B. E. [illegible]			[illegible]
	Gestriana Hub. Haw 17, 108 & Gemmiriana Hb.	W.J.	[illegible] Took [illegible] ascends Craigdallochs near Killin [illegible] from Birmingham [illegible] Rushall Cheshire, Coniston [illegible]
	Walsingham Hub. 3. 209. & [illegible] [illegible] Hübn. Lawe. Tort. & Gen. B. C. fig. C		[illegible] Mackie [illegible] Killin [illegible] Lancashire, [illegible] 1827 [illegible] Mackie at a lamp, [illegible]
948 Phtheochroa Treit.	Rostrana Treit.	Curt. B. E. [illegible]	
	Sorbiana Hub. Haw L 61 profundana Hb. Wilkinsiana Hub. 20. Alphonsiana Dufr. 1836 var. nubilana Dup. 1850		[illegible]
	[illegible] 11, 364, 2. Haw L 61 Rostrana Dup. [illegible] var. Alphonsiana Dufr. nubilana [illegible] [illegible] Dup. Wilkinsiana Hub. Roseleana Hub. L 19. Haw L 62 Ellenchana Haw. [illegible]		Sal. Brownfields Kent; Birch & [illegible] woods, New Forest.
			c. Sal. Birch-wood, Darent S.E. Surrey, Nat. Devon. c. Aug.
Dilula Stt	scriptana Hub. Haw L 31. 17. 110 3 Barbaniana Hb. Luiana Hb. semilascivana Haw. L 31. 115. [illegible] Rutana Treper. Fr. Cinctana Dufr.		Sally near London. Devon.
			c. Aug. Coombe S.E. m. Aug. Dun Tavent S.E. Brockenhurst c. Aug. Hedges Kent
949 Penthina Treit	Curt B. E. 307.		[illegible]
	corticana Hub. Haw L 32, 118. 3. 13 3 Espreana Hub. 40, 250 & Lasc. a Dufr. 6. p. 265 f. 4 b. Pinetana Fisch Rufimaculana Dufr. var. Betuletana Haw L 32, 119 [illegible] Spain Capreana Dufr. p. 265 f. 4. a		c. May, [illegible] [illegible] Birch [illegible] Sept. [illegible] m. Aug. Birch trees Cornwall Devon

Dissimiana Bentley, Fol. 2. 1880 — Rev. Berk. & Curt.

11 unifasciata Guérin. Dufr. — 1850, 752. Hooker & Arnott, 12.
roseana Nees
flavescens Dufr.
commutata Fieb. 2905.

beautiful on Bentley Mss.; quite, by, seldom very rare than other, among or South. Elliott.
& Mandelson.

? Fomes [illegible]
mucronata Pk.

occultana Bonj. Tools for 1846. — July, Lardner, Wickham in Dow.

Capreana Fieb. 20. 250 on Lava

fraternana Guén — May, near, midsummer, Wickham in Dow.

p

Gentiana Hub. Haw 433
3.12 ♀ Law.

29 June Clifton nr Bristol, Dr.
Aug & Sep. Aug. bred in abund. by Mr. D.
in July, Dorset, Mr. T. Bidout from Spiraea ulmifolia Work
Lawa on a Dipsacus. seems to breed then in June to breed then

Infumetana Hb. Haw 432 not of Hub.
1. Variegana Hub 3.14. Lawa Dipsacina
Cynosbana Dup. 10, 355, 3. nubilerana Haw. v.
cynosbatella Linn. & Lemm. Hub. 5.
Bruniana Hub. Haw 433
3.15 ♂ Law
fusciana?

6. Jun. hedges I.C.
6 July Boreham
Cobham Hill.
June Woods & commons

Cat. Ape & Vitay on young twigs of Hawthorn & rose, just hatched
Unbelieferous? Plants, Arrogant
June, Carrickham, I.C.

Sultana Haw 434 ♂

marginana Haw 433 ♂
Sellana Gren
sanciana Dub. ... Hub.

Ultimo 7 May among pollen & catkins commonly on the Spiraea plantations
Walter Epse in June in the woods in the lines. Harrietsham,
May in grass in old pastures Thursley, I.C. Bull.

Albomarginana Haw 433 ♀

Ulothrix

Salicella L.F.
Salicana Hub. Haw 430 Kos. 29. f. 1—.
3.11 ♂

m. Aug. Willowherbs.
6 July abund. on Willows & Sallows Mr Beeson Bois Jesus setting
about ♂ Eggs on the wings, disappearing & Mr. Bond on the back.
♂ allowed. ♀ for eggs & [illegible]

950 Pulvonota Hb. Cat. ♂ 2.551.

nubilerana Haw 431
Wahlbomiana L.

m. June, hedges, meadows I. of Sheppey. Plantations. Dunt &
5 May at Mr. B.

Pardia Gen. Bijugatrix Hb.
Cynosbatella L. Def. 1.1.34. Stew 191
Cynosbana ♂ 320
Cynosbana Hub. Haw 430 ♀
3.17 ♀ Law
~~[illegible]~~ ~~[illegible]~~ Haw

Cat. gardens & [illegible] June & July
Aug.

Cat. on May bud on Rose buds, chrysalis, flame-sp. when the Lawa hatches

Aquana Hub. Haw 430 ♀.
L.17 ♀ Law.
Roborana Hb. ♂ Cat.
Cynosbana Gren.

6. or June. Coombe-w. I.C. on rose bushes in gardens

Miniculana Haw 442
Affinana Hub.

Rose camera Cat. 6 May full fed, feeding on rose leaves & shelter in them
on lime on trees in gardens
6 July hedges & woods. Mr. Tunbridge Wells

5 Amphiana Hub. small, clear white nice mg & sp.
5.26.

6 July

Lawa in [illegible] Amer. S. E. 1843. vol. XLIII

Poecilochrome Hb.
6 macularia F. Haw 440
Ophthalmicana Hub

6. Sept. Skirts of woods
10th Cat. grass in Manchester, Mr. Crosse
Cat. on Hedges, Mr. Dey.

Solandriana?
Pyrrhamanana F. (non F.) Haw 440.
palana Dup. & Pyrrhana Gren. Dup. 254 & 253.
Trapezana F. Haw 441. cylvana Dup. 254. 3. Hub. 128 v.
Bimaculana F. Haw 440 — profundana F. Haw 440
2.311.34 Hub. 128. v.

10 Aug in abund. among st heath St Helens Island, Prossacks
Cat. Primrose in Sycamore in a marsh at Hanney, Berks.

2 Cicatrana Haw 440 on [illegible]

6 Aug. again in cop. flyd in a marsh at Hum. Sants. I.C.
Sept. heaths Surrey, Collins.

9 Cordidana Hub. 292. Stew. 397.
Cinerascana Haw
Nigricana Dup. non Hub.

Sept. & Oct.

Cat. on Alder, Fisher

ochroleuca Gmel
Winterana Dell
Semidiana Fr

Scotland
Whitley Reid, Cheshire, B. Cooke

ochroleuca Hal.

gracilliana Lect. L. Z. 50, 67

Sutherlandshire Mr Grevile & Sol. Wilson.

Sancianna Hal.

Kilbarries, Cattle hill Mr Irwin.

velleana Hal.

carbonaria Embrie (pagos, &c
vitellina Hard?. non Hal.

Paulheimii Fr.
Paykulliana Hum.

Tufo Lap.
non Fr.

Rosellana Bonds. Zool (50) CVI
infuscata Bresp

Cat Sutherlandshire Rev. L.D.

amoenana Bresp. Lapp.

Alva Spt.

Donaliana Haw. 269
tetricella Tr.

Solandriana L. Dely. 1, f 28 f 29, 30. Haw 249 — m. Aug. open fences in woods. Dover. near Crossacks
Udmaniana Tr. 1827. — Brunnichiana Linn. Hub. 254. — m. Jul.
seminaemacula Hub. 48 — fraxinetana Hub. 253. i
[illegible] Hub. 128. Pratana Hub. 230. Rufogenana Tr.
[illegible] Tr. 8 f. 551 — Cat. on Hazel. Dover
[illegible] Hub. 230 [illegible]

Orthotaenia H.D. Antiqua L. [illegible] Haw 221 [illegible] — Jul. [illegible] Combs. [illegible] Buff. flying [illegible] on a hedge
4-maculana Haw 268 — m. Aug. Dover. [illegible] Hayes 5
Cat. in woods of Stanlys [illegible] in wills Ley [illegible] Gorseam

Hoenifuscana Hb. 2 [illegible] f. 36 f. 1. — Field Drummond
melaleuca Tr. f. 375 f. 265 f. 2.

15 Favella L. Ed. 1775. Fanana Haw 229. — Aug. Hoisbeach Marf. Kent. [illegible] Sidney, Mr. Gage.
Isopoliana Tr. — Aug. [illegible] hedge [illegible] Hornsea [illegible] Cat. [illegible]
niteropalmana Dup. 2, 65, 1 — [illegible] Dover. Chatham [illegible]
Tilicstana Hub. 26.
16 Dispunctana Dup.
Franciana L. Haw 242. — Cat. [illegible] Adonidum [illegible] Cat. [illegible]
similana Hub. 41. [illegible] Cinctana [illegible]
Cinnamomana Dup. 13, 259 — Colne, Sandcliff, Milton, [illegible] Harietsham
[illegible] — [illegible] — e. Jul. Combs & Barnet
17 Trocinana Tr.
[illegible] Gren. — July, Rochester.
[illegible] Hub.

18 Ulmana Haw 241 & Stilbeana Haw 242 a. — e. Jun. under Cliff Sand Rock 1 f. 10. [illegible]
trifoliana Hub. 21. — Combs, Brick & Barnet
[illegible]

Orthotaenia H.D. [illegible] not Hub. 56 Haw 242 — June grass in fields w. ruches G. Wootton. [illegible] Lincolnshire [illegible]
[illegible] — e. Aug. hedges.
fasciana Tr. var — June, Harrietsham.

20 Alternana Tr. Haw 242. f. 6
Cirsiana Tr.
[illegible] — Aug. hedges
[illegible]

costifunctana Haw 243 — e. Jun. Barton Cliff amongst Thistles & Colts Foot J. B. [illegible] cliff Sand rock
e. June Milton w. Rochester.

Arcuella Tr. f. 37. f.

22 Tetragonana Tr.
Sacchaana Dup. — June Combs & Barnet w. [illegible] Underwood, woods, Alnwick, Peterboro' [illegible] Hedgerows, [illegible] Forest, Sow Cellars, [illegible]

24. negrecostana Haw.
Kempana Holl. — e. June [illegible] hedges, [illegible] Hub. [illegible] w. [illegible]

comitana Hub. Haw 236
3.16.
ocellana W.V. Ob.
Luscana Tr.
[illegible] Curtisian & Jung H.H. Ser. 2 v 5 f. 111
Duplana Hub. 36 f 229 & 230.

m. Jun. Piles w. Shooters Hill. hedges, [illegible] & [illegible]
e. Aug. on a willow w. Sandwich
2d July, Dark [illegible] & [illegible] w. [illegible], hedges

23 June to 1st July [illegible] w. Pimpernel, [illegible] of Cliff Bracken [illegible] 18 Jul 58
Parley, [illegible] 1st July Ringwood. S.C.

Tortrix [illegible] Zell in lit
Tr. [illegible] Tood. "

occultana Doug: Ann. S. E. 1847. p. 436. Tood. (1846) — In Scotland on the trunk of a Fir July, Lorkin, Wickham in Doug:

novana Guen, pr: var:

turbidana Tr: Lepp. — ex 2034 — 11 June, banks of rivers, Blundleigh, Devon, Stai: 13th on Tussilago Petasites 3 Apr. [illegible] abund

21. argyrana Ste: var of 17. — Aug: Highlands of Scotland. June 10th & 12th among the grass, Barron, Stirlingsh. G. S. Smith. July 24th Dawes in Westmorl.

950d Eriophoda Guen
21. quadrana Ste. — Hub. — July Scotland. June 11th & 12th among the grass, Barron, G. S. S. 28 May among heath, Wickham in Doug:
nubiana Haw.
Brunnichiana Hb.
7. tractifasciana Haw — cariana Guen
Cuflana Tr.
21. carbonana H. D.
ustulana Haw — June Cornwall & Devon, Harrietsham.

cinnatana Doug:

marmorana Hub: — Curt. B. E. pl 551. ♂ — 111. July, White-stones, Epping Forest. 10th & 12th beat out of Blackthorns at Keyes
similana Guen 1st & 2d — 3 Aug: Lent of Hedge, Lewisham.

Notocelia Hb.

951 Ocfuis Steph. 8. 156 — Ocfidia Dup.

Udmanniana L. Don. 5, 153. 2. Dia. Haw 449 — Sun: pathways in woods. [illegible]
Solandrana F.
achatana Hub 9. 29.
Rubiana Scop.
Sideria Gn. — similana Curt. — [illegible]
[illegible]
marmorana Hub 5. 25. — [illegible]

[illegible]

952 Leina [illegible] Steph. 7. 231. Leiaphilla 8. 168. — [illegible]

Olindiaspun Rosiana Hb. 3. Haw 502. Curt. [illegible] — 28 Sun: Devon [illegible]
29 May. [illegible] Exeter
[illegible]
Hazelmi [illegible]
arcolana Hub f. 279 g
[illegible] ulmana Hub. 45. 278 8th
Schumacherana [illegible]
wide Cartfage marmorana Hub. 5, 25.
achatana W.V. [illegible]

Surfusana Haw 467 — July Rowes [illegible] Darent, Michelham.
[illegible]

Semasia Gum. H.D. — 1. Ledeana Gn. Haw 459 — Sun. Hoof Darent, [illegible] Rowes [illegible]
[illegible] Darent.
Sauliana [illegible]
Incisana Hub.
[illegible] 33. 288 [illegible] Dorsoquana [illegible] — Darent.

6. nitidana Fab. Haw 448, 171 — [illegible] Gray? Hedges, Darent, Haw [illegible]
Bedellana [illegible]

7. [illegible] L. Haw 448, 172. Clerck + 12 f 10 — [illegible] Gray, Hedges [illegible]
aragana Hub.

8. [illegible] Haw 449. Steph. Illus.
Froriana Hub. 12. 76 6.E. Haw [illegible]
[illegible] Gum.

16 Jul. amongst fir trees Black wood Loch Rannoch
[illegible] Gray & on hage in Hedges Copse 18th Dalwich [illegible]

9. [illegible] Haw 446, 165
[illegible]
[illegible]

Sun. trunks of Oaks, Kensington Gardens & woods round London

10. [illegible] Haw
cortinana Hub. pl. 20 g. — Steph.
Liberman Crest. — Gerlma [illegible]

Sun. Trunks of oaks Kensington Gardens in abundance
[illegible]

950 Grapholita Tr.

1. Jungiella L.
Cinnamana Hub 35.
[illegible]
inquinatana Lefebvre Hub.

2. [illegible] Hub. Haw 446
Jaquiniana Steph.

Dichroramphia Guenée

3 Petiverella L. Haw 445
[illegible] Hub. 3.

Phthiprophora Goda. — Pseudotania Steph. Stigmonota Gum.
Sun. Hamistolana

6. May? Hedges
Sun [illegible] grass [illegible]

6. Jun. 29th amongst [illegible] Darent, [illegible]
m. Jul. Staunore, [illegible] Barnes [illegible]
[illegible] Bradock & [illegible] Sanderstead
10th Jul. Sanderstead Downs.

Uxbridge.

[illegible] Fr.
[illegible] Fr.
n. [illegible] Fr. [illegible]

[illegible] Fr. [illegible] [illegible]
[illegible] [illegible]

6. [illegible] Fr. [illegible] Sub. [illegible] [illegible] 8

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

7. Vaccinium Tisch.
myrtillus Chant, Sub. Eng. 1. 181.

31 May on the Hayton Rock nr. Ashburton, Chant, out of Vaccinium Myrtillus
18 May 42, 3 on White Moss nr. Manch. Bolestow

[illegible] Lin. [illegible]
[illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]

co. mosthorana Fr.

Spadella Lin. F. S. 1424. & Lum. 893, 207.
[illegible] Lum. [illegible] Sub.

Sercynima Brons.
comtana [illegible] vide 963. 1.
[illegible] Sub. 72 non Lin.

Lunulana [illegible] Sub. 35.
[illegible]
Lungiana Brez non Lin.

5. May 40 [illegible] Plantat. 1/2 mile beyond Croydon. 19th 49 fly round tops of spruce firs, in
[illegible] in hot sunshine Cat. 1871. Doug:

Cat. in spruce fir cones, feed in the centre & perforating there in a canal, Stoffle.
June abund. in Black Forest fly round young firs.

June fly in sunshine, pass of Killiecrankie, J. B. H.

simpliciana Haw 444 — 28 June 43 West Wickham wood & S. W. D.

(Scotiana W. & K.) Douglas pagenet
sequiniana Tr. Haw 444 — e. June
m. July Battersea fields. [illegible] Charlton sand pit. Long
strigana Steph. MSS.
alpiniana Dup.
inquinitana Hub 23.

Tirgana Tr. Haw 444 — e. June, going to Coates's hill
[illegible]

8 Pranniana Tr. Hub. Haw 444 — e. June, Charing, Hampstead & Regent's Park, always under
[illegible]

9. Populiana Tr. Haw 447. — Sept. Nettles

10 Tristifrana Hub — 26.
Tricomana Tr.? — 18 June 43. n. Wickham, S. W. D. Harrietsham.

11. Gyrinana Hub Haw 448
conjugana Tr. Hub. — [illegible]
June, Harrietsham

compositella
composana Haw 447. 3. — e June Oaks
m. Aug. Dover. — Charlton, Kent. [illegible]

~~Cuculana Hb~~
B. dorsana Tr. Haw 447 — Steph. n. 104
~~[illegible]~~
[illegible]

Ergebaris gulae
14. aurana Tr. Don. 2, 57, 2. Haw 445
mediana Hub — Steph.
albana Tr.

e. e June. flower, Parent, Barton Cliff, Harrietsham.
July on undulate, confined at Sevenoaks, Kent. Stephens.
m. Bodean. 6th. Edwin Giant on [illegible] of Hawthorn, on Cuscuta lulo to R. Hibiscus flowers of Hibiscus trionum, Tenpin.

954 Teganophyeta Tr. — Scoriniana Tr.
1. finitiana Haw 446, 161
dorsana Hub.? — Mar. Oaks. [illegible]
[illegible]

Phoxodes Guen
Tetraquetrana Haw 454
Latitana Hub. — Mar: Furz on Commons

~~Grahiana H. S.~~ ~~954. 8~~
Desperatana Hab ~~454~~
marana Steph. — Mar: Furz. on Commons
Barg: Riddlesdown. S. W. D.

Triquetrana Haw 454
immundana Fr. P. — Mar. Furz on Commons.
[illegible]

angulana Haw 454 — var.
[illegible]

rectisana Haw 453
McNerbacheriana W. V.
Pechlemana Tr. — e. Aug. Woods
6. July. 15th Dominica

Dicoramphea

Artemisicana, Bentley Bot. L. 775.
tenuiana Humphrey
caliginosana Tr. & Guen. Doubl. Freyer fil.

July, Margate, Greenliffe, on Artemisia maritima? vulgaris, W. B. Charlton and fil. aug: & 10th, Headley Lane, Dorg:

Ulicana Guen
Zachana Tr. non Hub.

Saturnana Guen.

Adumbragana Tr.
Strobilana Dorf. non Lin.

× Floricolana, Hub.
notana West.

On maples in the lanes from Crulle to Dorent

Succiana Guen

24th Aug. Cy. ni. Sd. attend. ami. gas bat. Dr. Bof's wood at Brislington, but wasted. Lic:

Bocwiana Stt

caliginosana Tr.

Solstitana West

July Charlton and fil. Dorg: every where

Proid. I. Guen. Tr.

Tr. conferanna Ratz. v. Esp. fig. 12. f.

2 June Lis Fir trees, White-moor Devt. Black Forest, fly round young Pines J. B. Hodg:
8 July 50. out of a Pinaster on cliff top Dr. Rosecroft clime, where Dale found land Sma

internana Guen
Dorsana Hbn. Ab. non Fabricius Hub.

Penkleriana Hb. f.
Adunciana Haw 453.
Mikenbuchiana Pg. Hul. — 5 — [illegible]

tinnaculana Dou 11, 369, 1 — [illegible] Elm leaves in Kensington Gardens
Mikenbuchiana Haw 463 — 6 June. Palace Kensington [illegible]
Ethonyiana Dup. — in June pining Palace.
Illunariana [illegible] — [illegible]
cinerana Haw 451 — [illegible] Lulu
vaspana Hub. — 6 Aug. Lichen on Pines. [illegible] on a wall Brittington nr Bristol, J. Sacom, [illegible] says that 5 followed an an spare.
June Pillars

rhombifasciana Haw 451 — [illegible]

[illegible] Haw 451

cuspidana Haw 451 — [illegible]
decorana Hul — 2 June, Sutton Pk, Birm. Jenkins.

Faccana [illegible] 2, 58, 3. & 59, 1.
Rubiana Haw 450. Hll? — Aug, open parts in woods. [illegible]

Baberana [illegible] Haw 450
miscellu Lf.
[illegible] Hub. 190
fulvana Hub. 210 — decorana Hul. 253
m. Jul. palling Hammon & Lord Hollands
3 Aug.

955 Anchylopera Ste. B. E. 376
obtusana Haw 453
consobrinana Curt.
derasana Dup. Sup.
dictatana Gn.
unculana Haw 453.
derasana Hub

Lundana F. Haw 452. Dou. 11. 374. 1.
Corylana Hub 9, 100 d.
badiana Mt. Brit

5 Lyellana Curt. B. E. fol. 370.
Myrtillana Tr: vide No 13 over leaf. Dup. v 10 p 253 f 4
degrasana Steph — non-Hub.
rastilaciana Haw 466 Curt.
unguicana L.
Falcana Hub.
ocellana Hub. Haw 451
B. 79.

diminutana Haw 452
custidana Tr.

[illegible]

biarcuana Ste
subarcuana Doug: Tr. Ent. Soc. 5. 21. pl. 2 f 4. var
crenana Dup. — non Hub.

[illegible]

[illegible] Forsteri: nit.

[illegible] Oak [illegible] Danielsham
[illegible] 9th June old quarry Doon, Ha

June, [illegible] Lawson, 18th [illegible] Muckleham. J. W.
[illegible]

m. May Coomb St. J. C. [illegible] Kimberton [illegible] on [illegible] Muller's [illegible]
June, frames in wood. [illegible] Kimberton, [illegible]
[illegible] Lyell.
June [illegible] of a fir tree, [illegible] Stirling, [illegible]

9 Jun. amongst heath, sides of hills, Ambleside, [illegible]
[illegible] many fly over heather nr Stirling.

m. May amongst rushes Wimbledon Common. 1 a. 28th Dulwich.

m. May Coomb. [illegible]
6 June [illegible]
[illegible]
m. Aug Mickleham, [illegible]
[illegible]

12 May 4 b, Wimbledon Com: J. H. D.
Sept. Mitchena Mare. H. Doubleday.

minutana Hub. (Euphoresia) 12.73? Zool. 3. 844

Paking, Kent Coll. Douglas

Pl. Vinearstei.

comptana Fr. 222

Lafontaine Dorset J. C. D.

[illegible] Haw. [illegible] — [illegible] Thunb. [illegible]
[illegible] Dow. II, 570, 1. [78]
[illegible] Dup. 1825.

Upupana Treit. Sup.
[illegible] Fr. — un. Hub. — [illegible] Heatley

12 [illegible] Curt. B. E. 376 !
[illegible] Haworth.
[illegible] — 16 July Black wood Loch Rannoch P. E.
[illegible]

956 Phoxopteris Treit. — Philalcea Curt. B. E. 2 583.

[illegible] Hub. Haw. 437. Steph. Ill. [illegible] — June, hedges [illegible] Birch [illegible]
[illegible] Fr.
[illegible]
[illegible] Hub.
[illegible] Haw. 436, 132 — 6 Aug. Tunbridge wells & Scotland [illegible] Ireland.
[illegible] Haw. [illegible] — [illegible]
Bryeriana [illegible]

[illegible] Hub. [illegible] 261. — June Birch & Darent wood.
[illegible] — [illegible]
[illegible]

[illegible] Haw. [illegible] — m. Jun. [illegible] going to Shooter's hill [illegible]
[illegible] Fab.

[illegible] Hub. Haw. 435. [illegible] Hub. 39. 30, 191. [288] — m. Sep. heaths.
[illegible] Haw. — [illegible] Darent w.
[illegible] Fr. — [illegible] Fr.
Paykulliana Haw. 435 [illegible] — e. Mar. / Winter } dry leaves, Darent w.
[illegible] Fr. — [illegible]

7. [illegible] Haw. 436 — 6. June [illegible] on bark of birch trees, [illegible]
[illegible] Hüb. [illegible] — 30 June [illegible] Hampstead. [illegible] & Darent w.
[illegible]

[illegible] Haw. 436, 133 — Yorksh.
[illegible] Darent wood

Paykulliana Fr.
[illegible] Haw. 435 — [illegible]
[illegible] Thunb. [illegible] — [illegible]
[illegible] Hub.
costana Dup.
[illegible] Fr. II, 380, 1. Haw. 437 — 6. Jul. hedges, [illegible]
[illegible] — [illegible]
[illegible]
[illegible]
July Darent wood.

[illegible] Dup.
[illegible] Hub. 30, 194
[illegible] Haw. 437

[illegible] Curt. [illegible] 388. [illegible] 396. (non) — m. July [illegible] of Furze [illegible] B. E. [illegible]
[illegible] Fab. — [illegible]
22 July [illegible] Mountain [illegible]
[illegible]
Larva in [illegible] in Autumn

957 Carpocapsa Treit. B. E. 352 — Semasia Steph.
1 Pomonella L. Haw. 191. Wilkes pl. 1, a, 9 — Jul. apple trees & garden [illegible]
Pomonana Fr. [illegible]
Pomonana Haw. 6. 30 & [illegible] 3 [illegible] 5
Larva in apples [illegible] Pears
2 [illegible] Hub. [illegible] — 5 Aug. [illegible] Epping forest, out of bushes. [illegible]
[illegible]
[illegible]
[illegible] lives thro' Autumn & Winter in Acorns; [illegible] in the Spring, [illegible] In Chestnuts, Guinée.

cuspidana Hub: — 16 Jul. 43, Lauderstead Downs, 12 Middledown Bury S.W.D. — J. W. Douglas.

[illegible] — 6 May swd. Dodbill nr. Blandford. S.E.D. 6 July Portland & Lulworth. S.E.D.

B. derasana ~~Hübn.~~ Zeiskw. Hb. stellana Treit. 8. 245. H. Goda 10. 345. pl. 253 f. 4 — 1 May 42 White moss, Mr. Coleston. 12 June out of Bushes, Tonwood, Stirlingsh. Larva Feeds on Poplar leaves stitched together, feeds on pulp & underculticle

nanana Tr. Tsugawana Yamamoto.

Demarniana Fisch. nevana Hb. — Wood. 432 f. 940.

I. inertana — 15 July bred from Holly shoots Regents Park & on Sale St. Leonards. 11 Holly shoots in Park Tunbridge Wells.

amoenana Dup. Sup.

neglectana Dup. Sup. sociana Haw. f.

3 grosiana Haw 458 — 18 June 1853 on beech trees at Mickleham, J. W. Douglas. 26 [illegible] Lee, Lewisham; 10 May [illegible] Park; 2 July [illegible]

Roxana Ste:
arcuana L. Don 11, 364. 1. Haw 403. Hub. [illegible] — 21 June: 2 under an Oak [illegible] Ambleside. [illegible]
Lambergiana Scop. — [illegible]

Catoptria Guen. Aspidiscana Hub. 41, 256. — [illegible]
maculana Hub. 257. Zachana Hub. 243.

[illegible] Guen
Weberana [illegible] Haw 457. [illegible] — June Parks [illegible]
ornatana Hub 6. 32. [illegible] — July on plum tree in garden [illegible]
[illegible] — e Aug.
Catoptria Guen. [illegible] — Lat. lives in the wood under bark of plum tree
5. Rheediella L. Haw 405. Don. 1, 377. — m. May Coombe wood [illegible]
[illegible] Hub. 35. [illegible] — 6. June [illegible]
~~[illegible]~~
~~[illegible]~~
4. Hypericana Hub. 23. Haw 458 — m. May. Coombe w: Bexley
[illegible]
[illegible]
3. Ulicetana Haw 458 [illegible] — 31 July Dover.
Zachana Hub 38, 243. [illegible] — Mar: Furz on Commons
[illegible] Hub. 13, 80, var? Ste — e Aug:
[illegible] — 10 May [illegible]
11 atropurpurana Haw 467 — [illegible] Guenée A. E. S. 1847. p. 249, pl. 3. No 11 f. 5-7
[illegible]
[illegible]

Endopisa Guen. n. g. — 12 nigricana Ste. Haw 458 [illegible] — m. June Dover [illegible] Ste.; e Aug. [illegible]
[illegible] 8. 209. [illegible] 9. 277, [illegible] 250 f. 1.
13 proximana Haw 458 — [illegible] Lathyrus [illegible]; [illegible] May [illegible]
Pisana Guen. — [illegible] till [illegible] appears.

ustulana Haw 467 — Norf:

Germana Hub.

15. [illegible] — [illegible]
[illegible]

17. [illegible] Haw 458 — [illegible] hedges. [illegible]
[illegible]
[illegible]
[illegible]
18 [illegible] Curt. B. E. 352 — 17 May [illegible] 18th [illegible]
[illegible] — 6 July [illegible]

19 [illegible] L.
Absinthiana Hub 32. Haw 456 — June [illegible] Devon, [illegible]
— 29 Aug: at 20 on Artemisia Absinthii [illegible] St Lawrence

20 [illegible] Curt. [illegible] 352

2. [illegible] Ste — Blunt.
pupillana Hub. Haw 455
[illegible] Hub. 4. 23

Winnerana Fr. Lat.
martiniana Bolt.

on Elmwood, Gravesend.

Quadria quen
Funebrana Fr. Sup.

Vis fanaticortana Brutt. Ste.
cinnaenana Guen.

Bordeau & S.E. on the Sangers.

This is an allied one but from Kew image by E. Bond

Thiodia Hub. Catoptria Guen
citrana Wilk. 23.154.

Southend, Stev.

feeds on Salvia Verbenaca A.D.

Ægeria ... 1.75.

Chrysidiformis Hüb. Haw: Esp: 2. 30. f2. | 20 June 1830 ... Bramcillon in a thick Grove
Hab:

1st July ... Mallow flowers from the rope walk to the Shakespeare Cliff
1830 young Lepidoptera ...
... Barron Zool. 389.

Synanthedon ...
... Haw: ... -2 8. | 20th May ... park wood, ... Coombe & Darent. J.C.D. ... 12
... (... M?) Asiliformis ... | 6 June ... gardens ... wood
Tenthrediniformis Hub. ... Don 2. 116 | ... stumps of ... Oaks ... Bramd. Also in excrescences on roots.
Trochilium ...
Tipuliformis L. Don: 2. 52. f 53. | in June Currant Bushes
... 779. | 20 May to 10th July
June gardens Hampstead
Mysopaeformis Bork. | ... in pith of Currants especially the black ... Autumn to April ... They ... between the green & dead wood.
... formis ... | ... gardens ... London ... June to 10th July & later ... white leaves.
... Don: 6. 195 ... formis ... 9a 1.102 ... f2. 7 | 6 Jul. on blossom of Valerian & ... W. Gayer Darenth.
... 3 ... B ... | May flowers of ... Wickham, Wood ...
... to ... May ... bark of apple tree ... green & dry parts ...
Culiciformis L. Esp: ... 19 f. 3 | June, Coombe & Darent woods. ... York.
8 May ... Hyacinths ... J.C.

... | ... under bark of Plum & apple trees
... formis (not ...) ... is only the ♀ of ... | 10 July. Darent & Gravesend
10 Aug. ... road ...

... formis ... Haw: ... 3.83. | ... seed ... Willows ... breeds in ... Umbelliferae ...

Sphecidoptera ... 4. 387 | ... White ... substance of apple tree N. A. Vigors
Cimbiciformis Haw. 72. 28. ... 1.70 ... 1.165 ... pl 10 f 1. | Found in Yorkshire by Mr. Bolton, in Haworth's
N. America | Cab: Is a N. American Species. 6 Sept. Cocoons with Larva
Zool. 1. 538, larva, cocoon & ♂ ... | ... on apple tree. ... H. Gosse! ... night. ...
plumifera Ochs. ... 170. ... 4. 387 | ...

... Hepialus Fab: Curtis Hepiolus Ochs: 3. ... 138

Hectus L. Don: 8. 274 ♂. ... 115. 1 & 2. | m June: open places in woods. Darent. J.C.
♀ Jodutta ... ... var
♂ nemorosa ... var

Lupulinus L. hecta Harris pl 22. f1 | ... May. Grassy meadows, places &.
obliquus ... 7 f 6 ... ♀
fuscus Haw nebulosus Haw
... 5. 873.

Humuli L. Don 8. 274. ♂ & ♀ ... Moth | m June. Grassy places, Church yd.
... 2, 206.

Velleda Esp. Hüb Haw. ... Don: 0. 360. 3. | Pupa ... May. ... p. 180.
Aug. Cat. Roots of Hop & Burdock. ... J.C.
June Darent Wood. Ambleside & Stirling. Cheshire. Derbysh.
Yorksh. Salisbury, ... grassy places ...
... Stirling ...

β ... carnus ... only a var.

carnus (not F.) Ochs: Hüb. ... Steph. pl 13 f 1 ♂. | Cat. in Fern (Pteris aquilina).
Jodutta F.? Hüb. ♀ ... 18 | June ... Stirling Castle & outside a wood Ambleside
... Birmingham

Cat. Aug. Erica vulgaris

sylvinus L. Curtis 4. 185 ... ♂. | Aug. Weedy banks, skirts of woods & in Lanes
Angulum Haw ♂ ... Hamma ... Ill. Harris ... 113. 6. | 6 Sept. Mousehold Heath nr. Norwich.
Lupulinus Hüb. Haw ♀. | m. Aug. 2 ♀ ... side of ... Sandwich
♂ ... F.
♀ angulatus F.

22. cana Haw 456 — June Pastures, Barton &c. 6 Jul. Hunthaw. 9 Jul. Mr Dunkeld &c. Jul. Birchwood on Thistles m. blind[d] Hemhanger among grass.

22 Scoticiana Haw 456 — [illegible]
Hordeacea Gren

[illegible]
Hirsutiana [illegible]

958 Aphelia Hb — Bartra Hb. — Curt. B. [illegible] 99.
Aggregatiana Gode
[illegible] Haw 469 [illegible] — m May Coombe:
[illegible]

Ferrugineana Haw 469 B 2. pl. 99.
Lanceolana Hub B. 83. var. — m May, Feus. on mushes in damp places Coombe m: & Winbledon Com. 8. June Wimbledon

egestana Haw: 470. [illegible] — May? Feus
[illegible]

[illegible] 470 [illegible] — m. May, Coombe
[illegible]

expultidana Haw 469. [illegible]

Ablabia Hub: Hb.
6. Cauliana Curt. B. [illegible] — 6. Aug: Darent, upon rushes & grass Dover J.B. Lulworth Dale.
6 June Halfpd Warren

7. Gemmana Haw 468, 237. B. [illegible]
Pratana Hub. 36. 237. 6. — m. 6. Jul. rushy & springy places ascending Ben Lawers & Craigchallock
[illegible] Betchworth [illegible]

959 Grapholita Curt. B. [illegible]
Bellana Curt. [illegible] 6, 26, 30 g wide Ann Hbn 11. N. 5. 112. — 30 June gw. 5 & 2 g sides of rocks ascending Arthur's Seat on left 1825, hom Holyrood Hoge.
Diminutana Gren.
Penziana Hb: Found[d] non Hub.
Hgm Zool. 56, 2755.
octomaculana Haw — Curt. Ann. N. 5. 112. — 28 Jul. 2 flew out of a wall nr. Ferry Inn at Lawers Ben 1825.
Penziana Hub. 14. 85 g.
[illegible]

2 [illegible] Curt. Ann. [illegible] N. 5. 112. — m. July feeding [illegible]

Phalaroptera Gren.
Conyzana Haw 463, 221 — July Pastures, [illegible] m. Hastings [illegible]
Cotoneana Hub
[illegible]

icterricana Haw 469 — [illegible]
[illegible]
[illegible]

[illegible] Hub — Hb.
[illegible] Bent. non Haw
Hepatensiana Dous.

asinana Hub 16, 101. Haw 464, 222. Clerck. 2 f. 4. — 6. Sept. out of grass & fern Forest, upon the ground
cretana B.
alternana W.V.
Chrysanthemana Dup.
6 June on grass, Lewisham, Harrietsham.

cacimacultana Hal.
neglectana Bant.

fractifasciana Haw
Luckeffana Zell.
Eriopsela canciana
cafiana Dup:

33 specimens of a bank gotte Markham on 1st of river, J.C.D.

furfuranà Haw.
[illegible]
[illegible]

on Rushes, Hammersmith

Clepsis Cynarana ?
rusticana ?

Manchester, Edleston

[illegible]
[illegible] Ham 264, 223
[illegible] Hub. 22, 203 ♀ Pasiana Hub. 16, 99 ♂

Eucfilesia [illegible] Ham 264, 224 — 30 June, Elms, [illegible] July
[illegible] Hub. 16, 99.
[illegible]

[illegible] Ham 265, 225 ♀ — 6 June Gravesham
[illegible] 11, 370, 2
[illegible] Hub. 38 f. 38 vide Ann. Nat. H. 5, 113
[illegible]
[illegible]
[illegible] Hub.
[illegible] Dougl. [illegible]
[illegible] Ham 268.
[illegible] Hub.
decolorata [illegible] Hub.

? Cefidania Curt
fuliginea Ham. not Hub. [illegible]
Eucfilesia cylindrana [illegible]
[illegible] Ham.
[illegible] Ham 268 [illegible] Ham.

7 June: [illegible] among heath on side of Red-Hill, [illegible]

3 Aug: 03 [illegible] Hollies, Riverdown, [illegible]

furfuranna Ham 266 — Kent.

Pamphilesia 16 [illegible] Ham 268 — Aft. hedges
[illegible] Hub. [illegible]
monticolana [illegible]

960 Orthotenia Ste. Curt. [illegible] 364 — [illegible]

Euchromia Ste — [illegible] Curt. [illegible] 364 Lab. 1831. — June.
[illegible] Ste
flammeana Hub.

[illegible] Hub. Ham 267 — June hedges
[illegible]

fuscana Ste Ham 260 — June, hedges
[illegible] Hub. [illegible]
bilineana Dou. 11, 371, 2.
[illegible] W.F. [illegible]

[illegible] Hub. Ham 260 — May ? Nettles
11.65 — [illegible]
[illegible] Hub. 7. 105
[illegible]
[illegible] W.F.
[illegible] W.F. — [illegible] Hanney
[illegible]
conchana Hub. Ham 261 — [illegible]
17.05 — [illegible]

[illegible] Hub. Ham 260 — [illegible]
7.08 — [illegible]
[illegible] — [illegible]
[illegible] W.F.

[illegible] Curt [illegible] 831, no [illegible] in W.F. — [illegible] among heath, Blackwood [illegible] Kennoch
[illegible]

obsoletana Ste
[illegible] Hub 16 f 99. is my type of Euphalia
hawaiiana Ond.

[illegible] Green. is my [illegible]
conferana Doug.

[illegible] Green non Hub.
discoidana Green in litt

Sarg. [illegible] type [illegible]

[illegible] Green

[illegible] Hub.
Trifaciana Haw Lep. 96. 30. non H.

herbana Green.

micana Hub. 5. f 28
Pictana Haw
Hawaiiana Ste
bistriana Bant. non?
[illegible] Haw

Gen. Indy. 163. auct. Meyrick, Lindas. Lid. Dawnes, Sarg. Douglas.
H — Micklehan, Miss Dunn.

cespitana Hub. 39. 262 & 225 q

3 grammicana Curt. B. 2. pl. 30 a.

e. June. grassy slopes, according arthur's seat. I.C. [illegible] Forwood, Stirling
20 July [illegible] Tangmuff. [illegible] Kommy in marshes
[illegible] Oak [illegible]

ialistigma Lettiger in Isis

9 cespitana (Hub 39. 262 & 225 q)

inventulana Guenée Ent.

25 June on a marsh [illegible] running [illegible] side of a lake, Ambleside.
16 July near [illegible], Hitchmoor, Lochkanmoch.

Eucosma Hb.

Bouchegrana Don 10, 357, 1. Haw 233

Piceana Hub. 10. 57. 8. Abrensiana Hub. 102

Zinckenana Ochs.

Retinia Gueneé Schulzigana B. 1820

Turionella Linn. Clerck 12, 15. Curt. B. 2. 52. 8.

Hub. 35, 220 & 221 Lesle Ochs. Gart Chron. 1856. 602. J.C.W.

16th July on Hadheath, Cheshire; E. Carter
[illegible] May from Scotch fir Wickham [illegible] Berg

June, [illegible] of [illegible]

12. gemmana Hub. Fab. 267.

Turionana Haw.

Buoliana Hb.

Eudemonia Stf.

Retinia Gueneé

13 Abietana Hub. 31, 195.

Arbutella Linn. Cat.

c. July, [illegible] Park, grass, [illegible]
Aug. 3rd, [illegible] Cockington, Rhododendron
10th & 12th July, [illegible] Oak near [illegible] for [illegible] for [illegible] Mercury, [illegible] [illegible] Buoliana [illegible] [illegible]

14. comitana Hb. Tr.

Piceana Hub 12. 272 q

Abietana Hb.

Horsquinana Hubn.

15. [illegible]

Turionana Hub 27, 223, 22, q Haw.

R.

Minimana Tell. albicana Guen.

Solitana Haw 265

among fir-trees Birchwood I.C. common.
15 June, [illegible] spruce fir tree [illegible] woods Yorkshire 1852 Grant & Spruce
[illegible] of Lancaster, Dove Cliff

[illegible] May
25 June, 26. off Lostiel [illegible] on [illegible] cliff Bournemouth. [illegible] Whitemoss, on fir tree
[illegible] [illegible] [illegible]
Larva in resin drops of pines cylindricus, in which they change to Pupa

Fuligana Hub. Haw 265

17 June Blackwell sands Darlington C.B.

Sulphureana Haw 429

near London

Eudemonia Hb.

Murinana Haw 200

Bévaccana Schläger.

15 Jul. Blunt.
[illegible] Alder [illegible]

Subjunctana Haw 200

961 Hb. Sylvana Hb.

1. Lecheana L. Hub. Haw 402
11. 22 q

e. June open places in woods. 1st [illegible] & May 26th and from Oak or Willow
Hampstead; Weybridge or Epping. 17th June Oak or Holmes.

20 Rhodarus Stef.

minutana L. Don. 11, 380, 2. Haw 398

m. Apr. Cat. on Oak or Whitethorns. I.C.

ferrugana Hub. 1. 55. q

m. May Coombe, w. I.C.
e. June, Hedges, Wrentham

subfasciana Hb.

e. June, beat out of bushes, Forwood, Stirling. G.D.S.

Calfarciana Van Ent. 1.
var farciana Van ? Fr.
Damoyana Duf.?
venetiana Duf.?
Erasholitana Guen.
Ratzburgiana Vax
Tenerana Duf. 1355.
+ Pinetana Wrot. Hemp. non Hub.

21.7.52. Heath, in fi Plantat. Grant.

pumicana Lind.
Tarmana Lie
Ent. B. 7

2 obsoletana Step. var off.

962 Xanthorstia Ste

I always take them together. They are one

1 Hamana L. Hub. Haw 397. Harris pl 1 f 1, 2.
22.140 f
Kakeritziana Lim. Fl. 291. var.

2 diversana Hub. Haw 397
22.139 f

3 Loeflingiana L. Don. 3, 106, 2. Haw 398. Hub. 22.138
Lunnana Curt. t. 2.

4 ferruginana Haw 398

5. Jul. grassy pasture Wrentham. 6th Bordeaux
6 Aug. grassy banks
13th June abt. in full flow, in Oct. some out at Tonyan

6. Jul. Wrentham. m. July: very small fly? on Chalky Down in event at Peters field
6 Aug: grassy banks
13 June abt. in some fields by Tonyan & Wood fly 31 mm. sunset: therewith Heliothis & extr. foot with flutter flutter.

6. Jul. Wrentham. 29th w. Bristol.
6 Aug. grassy banks. Charlton Kent.
May 14th
June 19th

5. Jul. with X. diversana, 2 at Wrentham.

963 Cochylis Treit. and S. 2. 291. Lozopera Step.

1 Francillana F. Don. 10, 355, 1. Haw 401
Baumanniana Hub. 23.148 f
sanguinea Och. 8. 116
Flagellana Dup.

2 Fabriciana Hub. Haw 401
Smeathmanniana Fab.

3 Dumicola Haw 401. 15.
Fischeriana Tr.
Ludana Dup.

4 alternana Ste. var. W. P.
Mephensii
glycyrrhiza Guen.

5 Subroseana Curt. t. 2. 1. 291. March 32
Wood pl. 37. f. 1128 on
virgaureana Guen.

6 Cutesolana Ste.
marmoratana Curt. B. 2, fol. 291. Mar. 1834.
β. Cutesolana Ste. 4. 184. Sept. 1834. Wood pl. 37. 1129

Smeathmannana F. Haw 400

7. Cerdana Hub 23. 147 f
rufigana Och.

8. margaritana Haw 401
dipoltana Hub.

9 gnoscana Haw 402
Eldana Guen.

10 Ruficola Curt B. 2. 11, 291 A. 1834.
marginata Ste. Cat.
Kuwidana F. v. R.

11 subroseana Haw 402

12 roseana Haw 401
subcellana Hub. 23, 285. 287 f.
Diproseana F. v. R.

m. Jul, sides of Cliff below Castle Dover, S.E.
13 Aug: 43, Ft. Dolaidum, S.W.D. Charlton, Kent
bred from stem of umbelliferae Dup.

Apt
on
May S.E. Dover
2 Aug. Pastures, Yorks.

m. e Aug. on flowers of Centaurea & fly? in event at Shakespeare Cliff

bred from heads of Centaurea nigra

m. Aug: top of Cliffs n. Dover, S.E.

18 June 45 on a chalky bank on white flowers n. Milton on road to Bishopstone
9th Blackwell & sides n. Barton & Southdown, W. Sandwich, Pegwell Bay & Margate, Kent.

June n. Milton
e. Jul. Burdock, Battersea Fields

bred n. Burdock

m. June, n. Chester Portriggs, Acton. Grimbley Common. 29th Croydon
25 July Charlton W. Stevens, gr. Dunkeld, S.E.D. 7th Jul. Cat. Croydon & Farley, G. Rodell.
25 July, Ft. among grass, Lewisham
Aug, Charlton and Cat. Dover

9 June among ht heath, side of hill Ambleside
23 Jul. 18 Bedham & other sides of Bedham in other S.E. n. Dover

Dover Lepidoptera

11 Aug: a fair side of a chalk Sandwich. Bred from Teasel heads with T. fenestrana
Charlton, Kent. 4th Summer with.

6. Abiesiana Hy. Dub: [illegible] Dub. [illegible]

in woods, Carent Bonchurch

7. Enicana Doub.

notulana Zell.

July, Carrick Park, Newcastle 78. Off flee. fr. ten numerous at sunset. R. Hill.
5-7 Brighington, &c.

flavicilliana Doub:

3 mesiciliana Haw 402 var: of foregoing. — e. May, Meadows, Yorksh.
cilicella Hub.? 26.180
rubellana Tr.

[illegible] Haw 404 — m. June among st Fern, side of hill, Ambleside
Hartmanniana Hub. v. 23.126 q non Linn — e. June Chalk pit Darent, Mitcham. Gt West Kent & Plant.
a Sul. in Chalk pit Bricklayers Hill Chalk Down.
3 May in a pasture nr. Lavenham Cambs. Mr Gaze.

Argyrotaenia [illegible] — a Franciana Hub.? Haw 402.
30.169 q

Epiphoretinella
16 a dulciana Haw 430 — 17 July under the Rocks, Portland. Mr Jeans Seaton Devon & Dover J.C.D.
Cardamandana Tr. Ill. Sci.

17 delicatana Hub. — 6 June, Corchester. nr. Mr Lamark, C. Nr.
[illegible] & Shenton said fat Dong.
May Bridlington, Yorks.

Cochylis [illegible] Tr. v. 18 v. and Easy my Memoranda

19 maculosana Haw 438 — m. May Kingston
6. Jul.
Aug. Bandidden Down

20 angustana Hub. 12, 76. Haw 438 — 6. Jul. hedges. [illegible]
fascicella Don 13, 152 — e. Aug. heathy places nr. Lyndhurst. Dover. [illegible]
8. [illegible] Chalk [illegible]

[illegible] Haw 439 — 6. Jun. Grantham, J.G.?

[illegible] Haw 439
cancana Tr. — Jul. Brown fields
3 May Coombe

[illegible]
23 tesselana Hub. Haw 427
23.448 8.
Neptuana Tr.
decimana Hub. Ent. 23.[illegible] q Haw.
Tesserana H.S. Och.
2 aneana Hub. Haw 406
158

6 June Barton Cliff & Brighton. I of Portland. 20th Aug. Down Longford
m. Jul. sides of Cliff Dover, wastes & Park Darting. 25th Dover, Bath wood.
29th June on grounds of the down Clifton. 7th Aug. grass on navy Cliff, Bournemouth
m. May Coombe. w. 30 I of Portland many
Aug. Bridlham Down

(7 July 3) Monks wood J.C.D.
Wormwood Scrubs, by the side of canal, top of Old oak tree at on Kayworth;
[illegible]

30 a Argyrotoza [illegible] — Pyrales Grenis
Haliana
Dalldorfiana Tr. Haw 405
dimidiana Don 11, 364. 2.
[illegible]

Lobesia Grenis
2 permixtana Hub 12, 75. Haw 406
reticulana Hubner.
Fischeriana Tr.

m. 4th Dorset. J.C.
6 May on apple leaves at Lewisham

13 May Coombe

Argyrotoza H.D.
Hoffmannseggiana Hub.? Haw 405

Conwayana Tr. Haw 405
m. Jun. shady groves. 20th hedges of wild thorn
6 July Regents Park [illegible] on Hazel in a lane; Badcam.
13 May, Dulwich.

Bergmanniana L. Don. 5, 157, 156. Haw 404
rosana Hub. 22. 137 & Lam.
Aug. Gardens
13.7.52 Hedges, on wild Rose & Blackberry. Feed with bird from Rose leaves. 10th

6 May Lewa feeding on Rose leaves with L. aquana on the Sulcis's garden

[illegible] Pabis [illegible]
Ribera [illegible]

May 22 to. Lower branches of Sallows, before dark, Brittington & Sic.
Ang 15.

Cinereana Pub.

Alnicana [illegible]
Pedicana [illegible]

Chrosio 21. [illegible] Pub.
[illegible]

[illegible] 1827, [illegible]
[illegible]

[illegible] Cumpers, Ainwoodstead, Dowsfbor, Hill, Bizell, [illegible] of Sinuifer.
[illegible] Broydon

Aurouiana Pub:
[illegible] astlinton africa [illegible]

Black Park [illegible]

[illegible] Muff
[illegible] Mes. [illegible] Pub:

Cinereana Pub.

Zeuzera Lat. Hepl. 2.8. – Curt. B. 2. 16. 722.

Esculi F. Don. 5. 152. & Lawr. Harris Exp. [illegible] Trunks of trees St. James's Park 23. or Hampstead Hill. Not uncommon [illegible] Hampstead, almost all gardens [illegible] 23. in Chelsea. [illegible] 1st in Lodge. 3d 1808 Brighton, Dorset, Bath & Cheltenham Brightwell, Berks, Norwich, Lamb.

Pyrina Haw: 89. 13. Stew 108.
Ent. Mag. 1. 81.
Curt. pl. 722 & Cat: G. E. 5. 236.

e. Oct. Lawr. full grown. Juglans regia, Ulmus campestris. Tilia europea, Apple & Pear, Sorbus aucuparia, Aesculus Hippocastanum. 10 May matthews.

Cossus F. Curtis Sylvestes Helmitus:

ligniperda F. Cossus L. Haw.
Curtis 2. 60. Don 2. 114. Stew: 165.
& Cat:

May Trunks of trees
Sept
June
July.
[illegible] cat. in Sycamore, Oak, willows, Ash, Elm [illegible]
Sept. Hindwing cat: [illegible] short [illegible]

Pygaera Och: Gem p. 36. 1811. Melalophia Hind: Hammatophora Hübn.
Phalera Hub:

Bucephala L. Don 1. 3. Sepp. 1. 12.
Curt 5. 2. pl. 530 & Cat:

Bipectinated [illegible] on Maples, Oaks, [illegible]
in June. Birds of Woods & Plantations

Bicuspis: figure fulvous on a rose ground.
m. Sept. Cat. Lime, Oak, Sallow, Alder, Elm, Hazel, Horse Chestnut &c
The ground [illegible] constantly [illegible] permanent

Clostera Hoff. – Pygaera Och. [illegible]

anachoreta L. Stew. 2. 282.
Bombyx anfusa Hf. Goda

[illegible]

recusa F. Haw. 151. 91. var. [illegible] May. Trunks of Poplars Lymes Grove. Dublin
Goda. Anachoreta Don: 4. 124 & 129. 4. 9 Aug. Darent & Birchwoods
anfusa Hd

[illegible] Sept. Trees [illegible] Poplars & Willows
Aug. Sept. Cat. Willows, Poplars, Alders, Elm, Oak, Sallow

anachoreta Hb. F. Haw. Och. Goda.
curtula Esp. Curt. 5. 2. pl. 757 & Cat.

May. Birch, Willows & Alders, Aug. Sept.
June
Feb. Willow, Sedley, Hawes

curtula L. Pg: Goda: Sepp. 1. Stew. 1. 13.
anachoreta Esp.

Oct. Cat. Grub. Willows & Poplars. Annual shoots of white Poplars
in July. Cat. Willows & Poplars, [illegible] Aspen
e. Sept. Trunks of Poplars, Hawthorn, Crab, Willow, Birch
f. May. [illegible]

e. Sept. Lam. Grub. Poplars, Willows, Maples & Oak, & Aspen.

Ephisema Och: 2. 111. Nebrocampha Hüb. Dilobard Bro. Dilobe Bro.

caerulescephala L. Don. 3. 100. Sepp. 1. 3.
Stew. 164.

m. Sept. Birch, Alders
m. Aug.

e. Aug. Cat. Willows, Elms, [illegible] Willows, Poplars, Oaks, Ash
& Birch Lam.

Cerura Schr: Gem. p. 31. Curtis. Furcula Hüb.

bicuspis Hüb: Bomb. f. 10. f. 36 g.
Hepl. pl. 13 f. 3.

July. Birch, Aspen, Darent, Wood, Kent, Dublin

integra Hepl. P. 15. f. 3. var: of furcula
bicuspis Hüb?

Aug. Sept. Lam. Hüb. Betula alba. Salix
Coombwood?

Chlorosteryx Hb.

6 Forskaleana L. Hub. Haw 420 — e. Aug. hedges: [illegible] e. June
22.123 — [illegible] Reigate Surr.

Holmiana L. Hub. Haw 427 — e. Jul
7.39 & Lun — e. Aug hedges chalky places
Pyrus communis

Rhombana Hub 9.54 b. — m. Jun. open places in woods
Celtyphana Hub 30, 190 b. — July on Oaks
rhombeolana Haw 420

Laflingiana L. Stav 189. Haw 420 — all Hedges
[illegible] — May

Cheimatophila Hb.
10 emytana Hub 223. — 17. May, Cole Park plenty on Furz bushes Parley Heath
castaneana Haw 410
[illegible]

[illegible] Hub. Haw 418 — Sept. Woods

[illegible] Hub. Haw 419 — e. Jul. Birch wood
obscurana Don 11, 374. 2 — Sept. Guidans Linn. Gr. Woods & hedges Devon

contaminana Hub. Haw 419 — b. Sept. Hedges Devon. S.E.

965 Teras Treit. Cut. B. E. 15. 699. — Peronea Gnen.

emargana F. Haw 408. Hb. fl. 38. f. 1. [illegible] 101. 044 — Aug. pathways in woods, Beenwood Dover; Gibside Northumb; Rochester
candidana F. — 31. Jul: near Ozier hedge, Milton; New Fo; Devon:
glaciana Hub. 175.

cycanana Haw 408, [illegible] Cut. 699. f.
emargana Don. 3, 106, 5. — Aug pathways in woods. Coomb, Birch & Darenth w.; Cacnw. Hampst.
b. Sept Ozier hedge Milton, New For: Rochester.

effractana Hub. Haw 408, 1. 6 B. & fol. 699.
emargana Don. 3, 106. 1. — e. Aug. pathways in woods: hedges, Coomb-wood & Green-wood
b. Sept. Ozier hedge, Milton; New For. S.E.

candana F. Haw 409. 36 B. & fol. 699. Hub:
ochracea Steph. var: — Aug: pathways in woods Sparkst:

966 Leptogramma Curt. B. E. 440.

literana L. Haw 411. Don 10, 355, 2
Hub: 15. f 89, 90 b, 88, 91 f — Apr.
Aug: Oaks, New forest, Gl. Wood.
Sept.
Oct.

squamana F. Don. 5, 157, 7. Haw 410
squamulana Hub. 15, 94 b, 92, 93, 95 f
asperana W.V. — Aug: Oaks
b. Sept. in Orchards & Oaks co'd with Lichen, Nantes & Devon.
[illegible] Sept. b. Oct. White-thorns S.E.
1st Oct. Lepthulus squamon
m.e. Sept. Oaks & trees co'd with Lichen S.E.
b. Oct. Apple trees Carset & McDevon, Kent.

tricolorana Haw 411
inorana Hub. 15, 95.

inorana Hub. 15, 96 f 97 b. Cut. B. E. fl. 440 b. — Gl. Wood & Devon, Beaue

Cupua Ste.
♂ ochraceana Ste.
vulgana Fr
sericana Duf.

Tenatodes Guen
Remarkable costa.

28 Mar 43, Dulwich wood

	fulvomixtana Ste	New Forest & Glam: Wood. J.C.D. Oct. Leatherhead common
	scabrana F. Haw 210. irrorana Hub. 15,97	June. Woods. Hamilton.
Paramosia Ste.	cerusana Hub. Haw 216 11.63. Boscana F.	e. Jul. Elm-trees New forest.
	trifunctana Hub. trifunctalana Haw 217	Sept. pathways in woods July, Gl. Wood. Charlton Kent; Stro.
	asperana Hub 61.259 f. ferruginea Tr. var	m. Aug. New Forest. amongst grass & foreland, Dorn abund. J.C. Late Tortrix F.
	ferruginea Tr. bifidana Haw 218	July & Aug on Juniper & orange grass Windermere; Spynie Dyke; Oxon; Portland Ab. Pon spinissima.
	velitana Frey. var Hub. brachyana Frey mufana Hub.	Sept. open places in woods m. Pt. Dorset.
	prominana (L.) Haw 217. Hieracriana Hub	Bat on Birch. Mar: Aug Lines Forest &c: m. Jun e. Jul
	notana Don. var 11,369,5 costana Tr. f.	b. Sept. open places in woods, Comb. Gl. wood. Witham, Beds, Oct.
	subtrifunctalana Ste	Aug: North Devon, Barks. 13.23, Riddlesdown, J.W.D. Ft. Darville

967 Peronea Curt: B. E. v. 1, pl 16. In the 2nd, 3rd all the species are described. Pl. 6 Dunnock in Zool. 3.950

52	5. 20 herana F. Haw 214. Stev 189. Gōn. 264. 5. rufitemerana Hub 38. 220. Schulteriana Gōda 243. 87.	e Aug. Hedges & woods & gardens round London & Gibside, Durham. June out with most fine or mottle leaves July Bat on leaves of Spiraea Filipendula
51	6 variegana F. Haw 214 cristana Hub 10.55. Wildgnardana Tab. var.	e Sept. White-thorns, Chiswick, Ashford 24 June Woning, Cambridge June out with fine mottle leaves
50	cirsiana Curt. B.E. boranaF. Haw 215 not of Tab.	e. Jul Hedges Aug. woods round London. Wold, Cent not of hedges, Lewisham.
45	12 Logiana Hub Lun: tristana Hub. 9.50.	Sept. Greenville.
53	4 costimaculana Ste	Aug. [illegible]
49	8. rufana (F.) Haw 216 comparana Hub	e Aug. hedges & orchs. Tower woods & gardens round London m. Sept white thorn hedges
48.	9 Schalleriana L. Haw 216 not of Hub. latifasciana Haw.	e Aug. woods Comb, Bucks & Dorset. Gibside. Lolland. Sept.
46.	semirubrana Steph B.E. Boscana F. Haw 215 not of Tab.	Aug. Bristow. e. Sept. Dorset & New For.
39	plumbeana Haw 215 scabrana Hub? 10.58. plumbiana Treitschke Tab.	Sept. Hants & Bucks.

scotiana Guen.

Kannoch? Perthsh: Forsyth ab.

Parviiana Guen
Ulmana Dufr.
Scabrana Ste

Dovigneus took 1900 in 3 Autumns on Whitlebury forest Northamptonsh. in Sept.
Rev. Mr. Johnson took immense quantities of the Bud Moths on Oaks thorns &c in damp weather in Sept. 1841 by the Mill at Brockenhurst: in bad weather they keep in the lower branches but when fine they cast at the top of the trees

Formicana Dufr:

Ion Knighton, Cheshire, Gregson
On Rosa spinosissima, Middlebrow Cam: E. Shepherd

Caledoniana Bent.

57 Trigonana Steph.
Logiana Hub. 3 4. 217. 4 Ob var
Tristana Hub. 9. 50.
Boscana Ste var

Sept. Birch w & Greenhithe.
Oct. Leatherhead Cranmer

Larva in leaves of Viburnum Lantana; bred by Shepherd.

38 latefasciana Haw 414 — Aug: Sept. hedges & woods Yorksh. Hants & round London

56 ulmana W.V. albicostana B. E. fulveranus Curt. — 6. Oct. Hants. Hum pit-boggy Dale; 12 Oct. ♀ amongst grass & willows in Parley Copse S.E.

54 similana B. E. lucidana Tr. — Autumn & London at Birch & in woods

55 leithiana Haw 399 spiciana Frust. crassana Dup. Sup. — Aug: Birch w: Aug: — dusana Frey

24 rufescana Curt. B. E. 28.15 — e. Sept. white thorns New Forest. Aug: 2 Oct. Leatherhead common, Kidell

42 retiana Haw 409.28. tristana Haw var. — July to Sept. amongst grass Epping forest & in woods round London

tristana Hub. Haw 410 — 2. Sept. out of grass Epping Forest.

43. favillaceana Hub. Haw 409 11.62. — ~~e. Aug. in Lyndhurst on beech trees~~ S.E. Comb. Birch & Darent. July Parley under white thorns, Regent's Park Sept.

35 obsoletana Ste. B.E. — July Pipley.

34 Beringerana Hub 10. 61. var. Hornana Tr. — 17th Apr. Dulwich. Sept. Hants, New forest, Birch w: Scotland

36 eximiana Haw 413 Wormana Hum? Beringerana Hub. 32. 216. Sharana Frey? — Nov. Comb. w. & Hants

37 subcristana B. E. — Darent w. New forest & Scotland

33 autumnana Hub. 34. 247. — Autumn Hants w: Brockenhurst; Gibside, Durham

26. albistriana Haw. 412. 59. — Aug: Hants w: Brockenhurst & Greenhithe Sept.

27 ramostriana B. E. — Sept. Hants w: Brockenhurst.

30 centrovittana B. E. Haw. Mor. — Sept. Hants w: Brockenhurst July Surrey.

28 radiana Hub. Haw 412 28.177. — e. Sept. Darent w: New Forest: Norf.

29 strigana B. E. — e. Sept. Darent w: New Forest

Lipsiana W. P.
Acmyliana Guen var?

22	35. alboflammana Curt B. E sylvana Bart Mss.	m. Sept. & Oct. & Oct. & Nov. Whitlebury forest, Devonshire.
23	17 Leatiana Curt: B. E	Brit. Mus: N° America
24	16 marmorana Bart. Curt. B. E. maccana Tr?	Oct: & Nov: Epping forest: Bentley.
25	13. Fagana Curt. B. E.	e. Aug: on beech trees n: Lyndhurst.

22	26. combustana Hub: 37. 234 not of Godart.	Aug: Surrey & n: Brockenhurst. Esp.
×	Arcuana Linn. 2. 1378. Clerck pl. f. 24 Bimaculana Hub. 216. Scabrana Hub. 58. 169. var elevana Fab. var	Scotland b. Nov: Y. D. bred 1 200 a day that feeds on Willows & Myrica gale in Scotland

29.	Aviciana Hub. Cat. 31. 198. Stp. pl. 36 f. 1.		c. Sep. Darent w: & New Forest, Greenhithe. Apr. Hum.
25	umbrana Hub. Haw 211 (Stp. pl. 36 f. 5). vedana Tr. Mo. 112		Aug? pathways in woods & Hants. Coombe. Sept. Oct: Leatherhead Common
22	albipunctana Haw Mss. Cat. B.E. epithiphisana Tr.		c. Sept. Hants, Brockenhurst.
19	cristana (not of Hub.) Haw 1. 16 F. Haw L.C. Lefebriana Gora pl. 244 f. 6.		c. Sept: Hants Aug. Norf. Coombe & Birch w. Oct. Leatherhead Common
11	cristalana Don 3, 77, 142 cristana Gora		S. Aug. Birch w. c. Sept. Hants, Durent & Coomb. w. Oct: Leatherhead Common
12	fulvoritana B.E.		Sept. Greenhithe & New For.
17	alboritana B.E.	Stp. pl. 36 f. 2.	Aug. w: Brockenhurst
16	Desfontainiana Fab. fulvocrustana B.E. Stp.		Sept. Hants w: Brockenhurst.
15	Desfontainiana W. Haw 213 ... ceriana Hub		Aug? pathways in woods. Hants, Coombe & Birch. Oct. Leatherhead common, out of Blackthorns.
14	comonitana B.E.		Sept. w: Brockenhurst.
7	spatulicana Haw 212		Jan. Coombe w. c. Sept. Hants, white-thorn. Oct. Leatherhead Common. Feb.
8	vitana B.E.		Sept. New For. w: Lymington
6	combustana Hub. brunneana B.E.		Aug. Hants Sept. Darent w.
5	curitana B.E.		Aug Hants & Darent & Birch w.
4	obrinana Haw 213		c. Sept. Hants July Norf. Birch w. Oct. Leatherhead Common
3.	profanana Tr. Don: 11, 377. 3. ~~Sumorta~~		Oct. Hants. Durent w? Leatherhead Common. m to Sept. Dwhite & black thorns, Westbury Fort, Northamp. Dow.
2	seminitana B.E.	profanana Haw 212	Sept. Coombe & Birch-wood. Oct. New For. Leatherhead common.
1	Rutelpana Hub. B.E.		Aug Darent w. Sept. New For.

21 subuittana Step. Ill. — aug. in Brockenhurst.

20 insulana Curt. B. E.
affinana Bent. Mss.

18 Chantana Curt. B. E.
decorana Bent. Mss.

Cupucina Johnson in — in 20 & Sept. Whitlebury forest Northants: off the black & white House, Dow.

13 sequana Bent. B. E.

16 Desfontainiana ?

10 subcristalana Bent. B. E. — 14 to 30 Sept. white & black House Whitlebury forest Northants. Dennison.

7 Lichenana Bent. B. E.
acquitana Hub. 37. 235.

968 Sarrothripus Curt. B. E. 1, 29. Penthina Och. 8, 21

Nominus Curt.

ramosanus Curt. B. E., 29. Hub. 2.10 — Jul. off pales Birch-wood. Dartford heath, Hardish
ramosanana Wood 2 1020

dilutanus Hub. 2.6 Haw 207 — S. Sept. Darent
Cicagana F.

montanus Hub. 2.
Remnana Schiff.

cupidanus Guenée 1848, 1531. Haw 207 — e. Mar: thick woods
S. Sept. Darenton: & Hants
e. Aug:

Lathrainianus Guenée Haw 207 — S. Sept. Darent.
Iliana Don. 10, 357, 2.

Iliacanus F. Haw 207 — S. Sept. Darent & Hants.
Junctifamus Hub. 2.9.

25 Mar. Lib. E. w: Longfotney, Jordan

[illegible] Tect. Haw 206 2.8 & Lin. — Jul. Pattenways in wood, Darent
Cifaviana Don. 10, 357, 3 — S. Sept. in Oct. Sol. Hollow. Sevenoaks, Hanbury, Pl.
Kerayana W. & Sch. — e. Aug:
Cat. Hub. Salix Capraea & on other trees. Jul

[illegible] Pathrea Gron. Ste

rufescana Hub. Haw 431 — S. Jun: hedges Coomb & Darenton. Colchester, Ch. Ap.
V. albana Don. 11, 371, 1

[illegible] Lea. Curt. B. E. 228. Pyrali Hub. Lat. — Roeselia Hub. — Nereyna Och. 7, 179
Ste. 61.

monachalis Haw. B. E. 228 q. Ste 62. Wood 29 f 839 — Cat. trunks of Oaks, Brockham. w.
386
~~Crispulalis~~ Hub. Pyr: 3. J. crispulalis? doubtful Och. 7, 192 — e. May. Acres Forest. Black Park. w: Uxbridge
Coomb & Darent. w. New for & Devon, Ste.
~~crispulalis~~ Hub. 3/16 crispulalis, [illegible] Cat. on Oak.
~~Hub.~~ ~~Curt. 346~~
trigulalis Haw 387. E. B. 8 fig. 228. Ste 62. Wood 29 f 838 — S. June New Forest: trunks of Oaks & on fences at 24 mile S. S.
Nat. Hist. v. 3 p. 230. — May. at Leder. Coomb & Colney, Cadier. w. Ch. Hollham. w

cucullatellus L. Haw 387. E. B. 8 b. Ste. 62. Wood 29 f 840. — S. m. Jul. Hedges. Paling, Regent's Park. Gardens. [illegible]
palliolalis Hub 23, 149 q, f 13 f. 13 2. Och. 7, 188 — Battersea. On window, Nuiges.
[illegible] Haw.

Cat on apple trees, Pear, Sloe, Hawthorn: Mount. Ash.

171 Cerastis Tr: Curt. 320. Ste. 28. Anthophila Haw — Tryphoseder Lat: Choreutes Hub.
Fabricii Haw 471. Wood 27 f 783.
1 Fabriciana L. Oxyacanthellus L. Haw 471 a.
Hetricana Hub. dentana Hub f 95.
alternalis Treit. 7, 160.

May Coomb. w. & Dorset. S. [illegible] Sept. Flowers in the sunshine, especially Ragwort
Oct.
m. July Damp paddock, Battersea

2 Variana L. Wood f 784 Rarealis Treit.
par. Haw 472. Cutosa Haw. var. 472. Ste. 29. Wood f 785.

m. Aug. Gardens: on [illegible] on apple trees, [illegible] Hainton.
e. Mar. Sunny Lindon, New for: Dorset. Devon. Ste.
Sept. apple tree S. E. D. e. June: on Nettles. Oct. Bash-Darent, Dorset & Devon.
m. Oct. on flowers of Achillea & under Heath Pegwell Bay

Choreutes Tr: 3 Myllerana F. Haw. 472. Curt. B. E. 320 Ste. 30.
Schestediana F. var.
[illegible] Hub. Tort. 22 f 204.
[illegible] Hub. Tort. 22 f 204.
[illegible] Haw. 472. Ste. 30. Wood 27 f 786.

m. Aug. [illegible] on a yellow flower Field Cranesbill wood & [illegible] on Ragwort.
Sept. Nettles & Thistles, Birch. w. Ste.
e. June upon Teasel. [illegible]
e. Sept upon Mint & Hyssop gale. Hum & Parley Heath.
Oct. Nettles Devon. S. E.
[illegible] Haw.

All in perfection of flow &c. Sept. 1841 by Mr. Johnson in my own mill at Brockenhurst. & by Mr. Stevens at Black Park nr. Uxbridge

Sept. 28. I bred from an Apple leaf: the Cat: has spun a white web of close & beautiful texture on the upper side

I. adonis a Scutellaria: respira Linnæus, Clifton.

Phragmites Communis: Reeds or Sea Cupish.

Arundinaceus Vulg. [illegible] 200 x 20 to 9
[illegible]

m. June 21. a P. floating in a dyke on the border of Holme Fen. N.D.
48 o from same place. Sky hatch at 10 at night. In cop: Bouchan.
Culm 30 to 40 Willows near at hand. Water lev. 2 ft 8 in. Sounding. [illegible]
[illegible] in 5 fathoms of Arundo Phragmitis.
Pike very active & ascend to merge
[illegible]

8th Dec. 1827 in non-cut Oak, Brughlied, Beech, Hollow, Willows
July 11th & 25th

Sycamore.

occurs no

15 May, 1828 & 9 Alder-hac, at Preston by Sa. Cooper. It was sent to Mr. Francis Lind 7 [illegible]

972 Pyrameis Schr. Cat. B. & 178 — Vanessa Fabr.

Vanessa Fab. — octomaculata L. — Pl. — Wood 28 f 797
atrata Dow 8, 266, 4. Haw 388, 36
gr. Hub. Hb. — Wf.
fugitiva Esp.
— Jun. Sedges. Birkwood, marsh places &c.
— June & August, & Parent &c. Ch.

Eurymedia Germ. — cingulata L. — Cat 3 pl 28. Hub. Haw 391. Ste. 32. Wood f 798
— June 1835 on short grass ascending Arthur's Seat, running into it when the sun ceased to shine. Heath Ambleside
Sal. chalky places Devon
30 May fly & one short grassy hills of Portland, common.
— June Parent, in Pentlands Cab.

[illegible] Haw. Esp. [illegible] to the rest.
supervicalis Ste. 35. Wood 27 f 790

angulinalis Hub. Haw 391. Ste. 32. Wood f 789.
Geof. 5 f 32.
fascialis Ochs.
in June & July Dawlish Devon
Sal. chalky places Parent & Stock &c. Ch
&c. Southgate, Wm. Wm. & Ostern, Kent.
[illegible]

Porphyrinis Hub. — furfuralis L. Don: 10, 334. 2. Haw 388. 37. Ste. Wood 27 f 793.
fumicinis Hub. 16 f. 34.
— May hedges. 2 at on Down &c. Sussex
Coombe, Pickt & Parent &c. Ch. Kling, Hastings, Kirkby, Kendrick &c. Ch
m. Aug: Hackgrange.
cat: thin on Valerian. Wind. Thorne & Meier.
Sal. hedges Surrey Reigate & Kirkby St.
12 Aug: Cheshire: Haw Fr.

[illegible] Haw 384. Ste. 35. Wood 27 f 795.
Porphyralis Hub 36. Haw
— June, grassy banks round Lewes &c. Sussex Esp. & Devon Ch.
Sal. Hedges
e Aug: Heath Hants in Aug: in abundance in Nicholson
Cat. Hub. on Mint, in the rolled up tops in May & June & again in Aug. Kouch
July hedges, near London.
m. Aug: Nicholson.
June, Arthur's seat, Edinburgh.

[illegible] — conspicalis Hub. Haw 390. Ste 34. Wood f 791.
— Sal. chalky places. [illegible] hill &c. Bulham, Surrey &c
Aug: Cheshire. [illegible] Ch.
e June Parent &c. Dover, Combe &c. Sec Wood, Kirby, Ch.

[illegible] — cordidalis Hub. Haw 391. [illegible] Wood f 791.
7 Hb
m. Sept. &c. Lewes Dorset. S. G.
e June Hants
Sal. chalky places, among or Fern &c. Kelvin &c. Bulham Down
2 May at on Downs &c: Wilson.

973 Diaphania Ste — Euchloris Hub. Ste. [illegible]
lucernalis Hub. Haw 384. Ste. Wood 28 f 804.
— &c. London, Knight, &c. Kirkmanden Ste.
Sal. 38 &c. Rickham, Wm. Wm. & Stan, Ste. L. 390. & Kirkby. E. 27.

974 Hydrocampa Lat. Botys Lat. Pyralis Hub. — Crambus F.
Cat. B. & 1951
Lemna Schrk. — [illegible] Hub. Haw 384. Ste. 37. Wf. Wood 28 f 798.
Rodelia Gum. — arcuatalis Ch.
ochrularis Linn. Hab. Jam. Succ. 1756
— Sal. moist places &c. Brockenhurst.
e June, Parent &c. on Grass of small ponds

Nymphula Ochs. — potamogata L. Don 11, 363, 1. Haw 382. Ste. 38.
nymphaeatis Hub 18 f 85.
— m. Sal. Highgate
e Aug. swampy places on heaths Tow. Boscombe Chine
e Aug & Meadows borders of rivers Hants on Nymphaea
30 June on Wyrm.
Cat on Pumpkins (Potamogeton natans)

Paramelia — Nymphaeata L. Haw 383. Ste 39.
Pyr. Nymphalis Hub 3 f 82.
stagnata Don 11, 363. 2.
— m. Sal. moist places Highgate. [illegible] side of Dover, Hants.
m. June at sides of Ditches Coventry Cross
cat on Duckweed.

Cataclysta Hb. — Lemnata L. Don. 8. 266. 1, 2. Hub. Haw 384. Ste. Wood 28 f 801.
nigriata F.
— m. May Moist places Sus. of Hants. Cons. Lin.
e. Sal. Bulham on the Hydrocharis Morsus-rana &c. Duckmanton
m. June, Esping.
Cat on Duckweed.

Paraponyx Gui. — stratiotalis L. Hub. Haw 383. Cat. B. & 1951 f. 1495 &c.
fulvalis F.
— e. Sal. Ponds round London.
m. Aug side of River
Cat on Hot. Stratiotes. Wheeler &c.

R Aug: at sunrise. It is double brooded, 1st in May & June, 2nd ly c Jul & b. Aug: 4th Aug: Box-hill.

changes to a pupa within the pastured leaves in a loose brown web.

Rhodaria Guen.

sanguinalis Linn: Fab: Hub: ~~28. 178~~ 6, f 35.
Goda. Pyral: f 214. fl. 224. f 2.
α hæmatalis Hub: 28 f 178.
cruentalis Schr.

24 June 49. New Brighton, Lancash (S. Robson) on the sand hills.
borders of Mosses wood & N. D.
they fly in fine weather only, in the sunshine, in the evening & at sunrise

975 Scofula Curt 312. Pyralis Haw

Pyralis W. F. Sk. 60. Wood 29 f. 836
leucophaeralis Hub. albidalis Hub. 18 f. 118
nebulalis Haw 386 not f. Hbn

Eurosiphula olivalis W. F. Sk. 59. Wood 29 f. 835.
umbralis Hub 8 f. 52
niveolis Haw 385

Scofula Sk. Stilicalis Sk. Sk. 59. Wood 29 f. 834.
Stilicodes Gum. stigmalis Haw 385
fuscalis Hub. 7 f. 45.

Eurosiphula Hb. alpinalis Hub. 27 f. 134 & 76. Sk. 58. Wood
Hub. 10 f. 83.
elongosalis Curt

Mecyna Gum. Mesocrambus Hub. cosmalis Hub. 29 f. 185. Sk. 57. Wood 28 f. 808.

Eudorea Hub. decrepalis Hub 16 f. 102. Sk. 57. Wood 28 f. 807

Pionea B. & C.
terrealis Hb. f. 110. Grey N.B.V. 123 n. 56.

Pionodes Gum. Botys a pulverulalis (Hub. 17 f. 107) Sk. 56. Wood 28 f. 826
b fuliginalis Sk. 56. Wood 28 f. 828.
Margaritia
b fusca Sk. W. F. Wood 28 f. 827
cinerealis Hub. F. Haw 380

Eudorea Hub. Sambucalis Hub. F. Haw 383. Sk. 52. Wood 28 f. 808.
Hb. f.

Eurrhypara Hub. 12 Urticalis W. F. Haw 381. Sk. 55
arcualis Hub. Haw 380
12 f. 80.
urticalis Wood 28 f. 820

Scoparia Hub. Dicrorampha Gum. Boleoharticalis Curt. B. & C. 312. Sk. 55.
Hub. Gum. sanctalis W. F. Sk.
alpinalis Def. 8 f. 2. 199. pl 223 f. 2.

Ulodes Gum. ferrugalis Hub. Haw 382. Sk. 53. Wood 28 f. 822.
9 f. 54.
α pilosalis Sk. 54. 23 f. 130. Wood 28 f. 823.

Epicorsia Hb. 5 flavalis Hub. Haw 381. Sk. 52. W. F. Wood 28 f. 819

Mesographe Hub. 10. chalcogramma (Hub. 24 f. 182 Hub.) Sk. 56 Wood 28 f. 829.
institalis Haw. 380 Sk. f. Hub.
lutealis

Stenopsyche H. ochrealis (Hub. 23 f. 148) F. Haw 381. Sk. 53. Def.
crocealis Sk. Hub. 11 f. 71.
verbascalis Wood 28 f. 824.

Nephopteryx Hb. hyalinalis Hub. Haw. 377. Sk. 51. Wood 28 f. 814
Hb. 4

[illegible] Hedges [illegible] Leaves.
m. Jun. Hedges round London abundant
b. Jul. ab. Moorhanger Hawk, Devon

W. Jun. may the bat came out of an old Hedge [illegible]
e. June Wood [illegible]
b. Jul. ab. Moorhanger

Bat on Pyramidal Orchis

e. June Beachamwell Norf. [illegible]
b. Aug. at Rainscliff & in dry grass Dover, Heath, Daunt.
b. Bat in sandy fields Shelton [illegible] Echium vulgare 29 & very fine
Tipley, Sk.

30 Jul. set 5/9 early way up the [illegible] of [illegible] and among [illegible]
hedges in [illegible] Isle of Skye Mr Walker, [illegible]

Bat. Blower always on bare Rubia peregrina grows. Valley of rocks
e. July Steep hill, [illegible] Bodmin, Bodmin w. Teignmouth Thomas
31st at Barnstaple. Lunsworth
15. Oct. 23 Jos. Rowes, Teignmouth
June 1843. Albert Sparks & Davenwood, Evans.
July at Bristol

b. June bred [illegible] Teignmouth, Jordan

Bat. non col. on Solidago virgaurea at Oban in Aug.

[illegible]
June Dawson. Walton Pk.

b. Jun. Meadows Blagged Leafs Hants
m. Jun. Hedges Shooters hill. [illegible]
28 May. Bonner quag abundant among st rushes
Bat on [illegible] rod.

b. Jul. moist places. [illegible] Norf. June. Newport Devon.
m. Jul. on elder bushes, Hampstead & Lundbridge.
at in gardens round Lowestoft.
Bat. on Elder, Brown [illegible] Hesse [illegible] on at Dunstable [illegible]
[illegible] in a stack on an [illegible] bank J. G.
b. Jul hedges, Norf. Rotherscafe, Evans & Daunt. w. Sk.
b. Aug Rotan
10 June among st nettles, High wood Colchester.

b. July among st brambles at Teignmouth [illegible] Jordan
[illegible]

Jul. hedges Hemsby, Daunt. w. Kipling Sk. Ferguson [illegible]
b. Jul. in a rope walk, Deptford. J. Barnes.
Oct. under Cliff, Old Park, I of W. [illegible] Newbury, [illegible]

Jul. hedges at London. Halesgate. Norf.
m. Aug. on the Downs, Lulworth & Chalky [illegible] Bothale.

Bat. on Galium mollugo?
b. Jul. hedges, Wisbeach [illegible] Moorhanger.
e. June Cooper, Durant & Rizzi w. Sk. Newcastle.

Jul. Hedges Feversham, Daunt w. Kipling & Norfo.
e. June Clifton

Bat on Cuscuta epithymum & Inula dysenterica at Dunstable, J. H. Hill

Jul. hedges, Durant w. Natchet. [illegible]
6th July in Bodmin Langes among st grass & at night on [illegible]
10th to 15 Jul 30 & in same day 87 g. 2 d worm.
9th Aug. Bodmin

Cat on Blackthorn. Apr. 16th. Cat. on Scarlet Geranium, F.J.G. (not drawn).

Fimbrialis Ste. L. 56.
var of fuscalis

June Darenth & W. Dover, Ste.

Silvalis (Hub. 22, f. 147) Ste. L. 52.

W. London? Ste.

Thecorria N. Philodes Guen — cincta lis Treit. 7. 97. Ste 49. Wood 28 f 812.
limbalis Hub. 11 f 72. Haw. 378. Ste.

angustalis Haw 379 Ste. 51. Wood 28 f 815.
laudalis Hub.
Sabrosalis Hub. 9 f 59.
Proselalis Tri. 6. 2. 314. Ste n. 50.
Terminalis Haw 379 Ste. 51. Wood f. 816

pallidalis Haw 379. Ste 52. Wood 28 f 818.

glabralis Hub. F. Haw. 380. Ste 53. Wood 28 f 817
Flavicalis Hub. 18 f 116

Emmelia Hübn. Hav. — lanceolalis Ste. f. 5. Ste n. 8. Wood 28 f 809.
glabralis F. Hub 18, 117 g
longalis Haw 379

Thiera Hübn. — verticalis L. Don. 16, 556. Haw 376. Ste n. 8. Wood 28 f 810.
Iridialis Hub.

Eurrhypara Hüb. — Urticalis L. Don 10, 349. 2. Haw 382. Ste f. 5. Wood 28 f 805.
hortulanal.

Sitochroa Hüb. Philodes Guen — palealis Hub. F. Haw 378. Ste. 50. Geo f. Wood f 813.

Evergestis Hüb. — marginalis F.
crucialis Hub. 9 f 55 g
extimalis Tr.

Pionea Guen. — elutalis Hub. 10 f 62. Haw 378
stramentalis Treit. Ste. 5. Wood 28 f 832.

Mecographe Hüb. Pionea Guen — forficalis L. Hub. Haw 377. Ste. n. 5. Wood 28 f 806

Hydrocampa Guen — sericealis Hub. 5. Haw 381. Ste 58. Wood 29 f 832.
Lecana F. Don. 10, 357, 4
immorata F.

Nomophila Hüb. Ste. 4. 312. Scenopterya Guen. — hybridalis Hub. Haw 386. Ste. 312 Wood 27 f 1476.
noctuella Hüb. F.

976 Odontia Dup. 8. 2. 9. Cuct: B. E. 12, 563. Cymoda
dentalis Hub. Haw 385. Ste. 4. 61. 2. 33. F.
fulminans F. ramalis F.
radiata Tr.

977 Cleora Ste. Ste. 4. 20. Hypsanodes Guen Hüb.
costestrigalis Ste 21. Wood 27 f 772.
Leucopterus Guen.

Mecrophysa Tri. Haw. 368. Ste. 20. Wood 27 f 771.
rubalis Guen

e June n.s. of wood Darent & Ripley Ste. Bath 29th out of the alty Dover mouth wom. com:
July Hedges. dest in a Clover field. Jeff. S. 6 inc: Bottisham, com:
Cat on Broom.
2 June among brake in abund: New Forest. J. C. & H. f in 28
Jul. hedges Feversham
Jul. hedges Feversham
June Darent w. of Dover.

Francillon. Bentley & Cat.

Francillon; Bentley & Stis Cat.

July hedges Charlton 1808. Nor. 1 Sept. Dryden; 1817 Beacham
Baldon. Oxon
8 June, banks of Dart n. Ashburton C & R.
Cat on June Cat. Folkton.
3. Jul. Hedges Feversham 6. June,
in Jul. sides of Cliff, Dover
Cat on Nettles.
Jul on nettles in hedges
Cat. on nettles. Cambridge,
July hedges Norf. S. 6.
3. Aug among bushes St Foxchurd meadow Dover S.

June Scales Norf. Soc. Standish Berks: Bedford: Brown. Ste.
Bedfordshire. near Cambridge (2). W. Farren. 1860.
Cat on Radish
July hedges. near Cambridge
marshy places Norf: in prof. at Malvongate, Nor.

Jul. Gardner & Leeds round Leeds: Newcastle.
Cat on radish, horse radish & scabious in Aug & Sept.
on 3 f. 47 wood in upper part of Scotch Lake: 73 Bincall
6. c. Jul. Hedges Birch wood. Ab in Essex, Hampshire
Shrubby places, round London, Kent, Sussex & Devon. Ste
Cat on grass.
Jul. Cornel. Ste, Dover, Devon, Norf. Abundant in gardens & squares of London in 1818. Ste
6. Aug. Chelsea & Brentford Hants. Dover. Ab on grass, at night. J. H. D
in Sept. S. of Ste.
in Oct. Sandhills Sandwich
Hub. Ste a Genus of Fishes.

e June 6. Aug. n. London. Brit. Mus & Bentley. n. Lewisham. Devon
18 July 20 brushed out of Edinburgh n. sea, Rolbstone, J. M. Douglas.
Cat. on Edinburgh wall, in the Stables
in Aug. in stables, Cope. Ron. S. D.
e Aug. New Forest. Devon. Bailey J. C. D. Whitlawn near Lymington Norf
e June Gl. Wood. J. C. D.

e Jul. Hedges Gl. Wood. J. C. D. Black Park, Bucks. 18th Sat on gr. Dund. Dom
e Aug. New Forest J. C. D. Whitlawn
Cat. Jul. & Dover Ste.

centrostigalis Sk. L. Lg. Wood 28/811 ♀
perpendicularis Dup. S. E. 824 t 232 ♂ ♀.

Devon, Leach?

Hypenodes Guen:
hibernicalis Doub.
humidalis Doub. Zool. 50 | Guen: CV

bogs: Ireland, R. Weaver 18.;
on July, 50, boggy spot, Petty pool, wood Delamere forest; fly, 9 bet. 6 & 9 p.m. B. Cooke: v. abun:
to 8th Aug. 51. abund: Keswick. J. Harrison.

Eledobia H.D.

Synaphe Hub. — [illegible] Hub. 21 a Haw 368. Ste 4. 19 Wood f 770. — New for Devonshire. m. Jul. Coombe-wood. Epping Forest. 3 & Mitcham heath. J.C. Darent-w. to
bombycalis Hub 19 f 123 g — it — July, skirts of woods. 2 g. Jul Pollgood. J.C. D. S.C. Aug: going
origalis
cultalis Wood

[illegible] Hub. — [illegible] — like Nola — [illegible] palpi
[illegible] Ste 4. 22. Wood 27 f 773

bistrigalis — Ste 4. 22. pl 33. f 3. Wood 27 f 774. — Devonshire & Hope Lab

978 Pyrale L. Polyphagon Schr: Herminia Lat: Crambus Hub.
B.E. 527. — crinalis Hub. f 2. — Ent. B. 4. 16. 52. Ste. 12 — Crambus Hay — Eclipse & July Ste. — Hucking Hub. Ste. 15.
18 Jul. g upon the ground among st. nettles, Wh. Hollow near J.C. Ste — 30 Spring
6 Jul. 60 flying in marshes Hanning & Cl. Ste. Jun. 53.
17 July 53 & W. Fair

Paracolax Hub. — derivalis Hub. Haw 369. Ste. 16 pl. 53 f 2. 3/14. — June, skirts of woods Kent. Darent-w. Bexley, Woolwich, Dover.
9 Aug: Collier's wood. Quantlet the Chant. Buckwood, Bentley. Devon

Ebulea Hub. — cinerealis Hub. Haw 369. Ste 18. — [illegible] Lewisham

Pechipogon Hub. — barbalis L. Haw 368. Ste. 15. Kay Supp. pl 8 f 1. Wood 27 f 764. — [illegible]
strigillata L.
lactatalis Hub 19 f 122. — m May, pathway in wood [illegible]
3 June Coombe-w. J.C.
4 Jul. [illegible]
bar on Oak & Birch [illegible]

Paracolax H. — tarsicrinalis Hub. Haw 369. Ste. 1. Wood 27 f 76 f 1. 15. — e June. Woods, in the open fields
m. June Coombe & Darent-w, Epping, Keighley, Ste.
[illegible]

nemoralis F. Haw 370. Harris pl 6 f 2. Ste 16. Wood 27 f 761 — e May Birch & Charlton wood
griseatis Hub — M.S. — e June, open parts in woods, Darent-w. in gardens, Lewisham
Ent. Sudbury, Hedges, Brittol, Epping, Newcastle, Aldeley.
[illegible]

979 Madopa [illegible] — [illegible]
salicalis F. Hub. Haw 370. Wood 27 f 767 — 6 June. birch trees Charlton & [illegible]
oblinguaria [illegible]
obliquata F.
e May, Wickham w. Croydon amongst underwood.
bar on willows.

980 Hypena Schr: Ent. N. 8. 288. Herminia Lat. Crambus Fab. Pyralis Hub:
Scoliodes Hub — crassalis Fab: Ent. 288 g [illegible]
rubralis Hub. Haw. 367. 2/15 27/172.
[illegible] Haw 367
radiatalis Hub. 20 f 134.
5. June. shady groves. Westerham Kent. Plaistead 25 & 17th Norwood. 19 Aug. in an old mine, [illegible] Ashburton Devon. Bentley. 29th [illegible] rare
[illegible]
7 Jun in the house Coldham
m. May, hedges Chelsea
e June

Hypena Hub — rostralis L. Haw 366. F. Stw 192. Ste. 12. Wood 27 f [illegible]
palpatus Haw. var 366.
palpalis F. Ste. 4. 12.
[illegible] Jul. g upon [illegible] of hedges & lanes [illegible] Ste. 48.
e June hedges in houses. [illegible] m. May. Keighley in profusion Ste.
[illegible]
bar on the Hop, nettle. Bryo v. 1 pl. 72. Dist.
Francillon, Bentley's Lab:

obsoleta Wood 27 f 7 [illegible]
crassalis Hub: F. Haw 366 — June hedges. Francillon

[illegible] — proboscidalis L. Haw 365. Steph 2, 2.
cusalis F.
e June, hedges, amongst nettles Croydon. [illegible]
e Aug
m. Oct. Niton
bar: on nettles. Hawkins,
Mr & May.

Ostracon Bibliotheca Jacobitae.

981 Hypercallia Ste

Christiernana L. Ste. f. 238 f. 2. Jon. 1, 20. Haw. 399. June Darent w: Hedges in chalky places. Cast. Ben Lean

982 Asopia Treit. Curt. B.E. 503. Aerolera Schr. Ste. n. 5.

flammealis Hub. Haw 375. W.F. Wood 27, f. 782.

c. June Bromfields Cornlea w: Darent & Birchwood.

b. Aug amongst grass & heath Black gang Chine. I.C. New Forest Ne

Leucomacula Cast. Blomer & abundant on heath Kamgoorn

12. 28 July Orpington & Walls of Rocks. I.C.D. on Sept. Brambles & Ivy flowers

Pyralis H.B.

Eudiota Hub. gilvicinalis L. F. Haw 374. Ste. 26. Wood 27, f. 780.

nitidalis Hub:

Jul. Gardens Hedges & in lanes & Sudbury. 8th Dalwich. June Ile

Aug. Epsom Surrey

Hypsopygia H. Hübn. costalis F. Haw. 375. Ste. [illegible] Wood [illegible]. W.F.

fenebrinalis Hub.

Jul. Hedges Darenth & Cornlea wood I.C.D. Lambeth. Dulwich.

Aug. Hampton Wick, Mud & grass verges on a road. I

shook out of a Plane-tree at Fulham. C.S. Thompson

marginatus Haw 374 Ste 26. Wood 54, f. 68.

subfidalis Hub. 15, 96

Eat on Polygonum.

Swainson & Maddon at Hamm. Salix, Devon

Pyralis L.

Hypsopygia Hub.

farinalis L. Hub. Haw 374. Ste. 25. Wood 5, f. 778.

Jul. Houses. Aug.

b. Sept. Palace Leguat's Park [illegible]

m. Aug. on blade of grass on Black coast of Lancs. J.B. Hodgkinson. Rochdale.

Drawn interwoven Webs in hawthorn bushes, Bowden

Bill in flour, meal. Bom in at times in Shakes

983 Aglossa Lat. Pyralis L. Hub. Crambus F.

E.B.E. 250. Ste. p. 23.

cuprealis Hub. Ste. 23. Wood 27, f. 776.

cupreatus Haw 372

cupralis Hub. 20, f. 133.

m. Eaten.

c. Jul. Stables Crown. [illegible]

Aug. Hampton Wick, [illegible] Hurstbourne, Berg; [illegible]

Cat. cat. Cotton or hides

pinguinalis L. F. Haw 371. Steis 193. Wood 27, f. 775.

pinguiculatus Haw β 372

m.c. Jul. Houses, Stables [illegible] sides of Cliff under stones Dover, S.C.

m. Aug.

3. June & Cowlitte house

Cat. in bacon, butter & lard. Feeds on greasy bread & butter: greasy old bones: cat's hair

984 Galleria F. Lat. Germ. Mag: 4, 231 Ochs: 9, n. 2. Curt. B.E. 587. Achroia Step. 4. 244.

mellonella L. F. Haw 392. Ste. 25.

alveariae F.

cinereola Hub Doub. 22. 91.

alveae Haw 392

griseella F.

Aug. Beehives. Flaxfield, Northampton & Spring abundt.

June Devon. 11th. m. Aug: bred by Stanton

Cat: on honey in Beehives: Destroy the comb entirely. Gr. 2. f. 14. f. 31 provid.

2. cereana L. Haw 392. F. Step. 295.

mellonella L. Don. 8, 283. Curt. B.E. 587. Cat.

cerella F. Hub. 4. 25. 8 Haw 212. Roes. 21, 1-6

Aug. Beehives. Spring in abundance.

Cat's feed at night on the wax & fill the comb with their webs.

985 Ilithya Lat. Ste. 295. Aphomia

colonella L. Don. 8, 263. C. Haw 371. Hub. [illegible] 22. 8

cocilla F.

tribunella Hub 8.

Ste. appear 3 weeks before the g. S.C.D.

b. June, gardens & Oaks [illegible] 21 Aug. g at light, Lewisham

Caterpillars in hawthorn webs [illegible] mother [illegible] June; the moth

[illegible] of a very close woolly [illegible] so tough that I could not tear it.

As many as 500 in a nest

986 Melissa Curt. B.E. 201. Galleria Ochs. Microsphaleroda Zell.

cocilla L. F. Haw 151, 13. Step. 290.

tribunella Hub 4, 22 8

June Darent wood, Norf. Gorton. Perthes.

m. Jul. Gardens round London

Moths on the honey in the nests of Bombus lapidarius Ochs. 9. 1. 29.

Eudiota Ste.

Alva Hub. 139, f. 635.

bipunctana Curt. Trans. β anella (F.) Step. 297.

cocilla Hub 4, 24 & Wood 46, f. 1439.

cerica Curt 201.

Jews burying ground Stepney, Hatchett

Eudiota Step. 297.

Nomagria H.B.

flammea Curt. B.E. 201. non Hüb: Ste. 4. 297.

arundinis Haw. Mss. non Zet:

arundinicola Doub: Lest.

July nr. Lewisham nr. London

June, Cat sugar Barnsel fens. Bow.

w. Bat. on Privet.

Cuctalis Cant. N. E. pl. 503. S. Ste L. 395.
Domestica N-Schaf

Daily on side of a house at Poplar, n. Limehouse; London, G. Robertson

Dimidiata Haw 3. 2, 19. Ste L. 24. Wood 54 f. 67.

b. Aug: East India House

b. Sheathed in Cant. N. E. pl. 455. Ste. L. 24.

Bat: feeding on the Sea in the Chasts.
at Compton Bishop, foot of Mendip hills, Somerset

o. Oct. 52 at Bayonne; in Mr Duvrey's boxes, eating his Melanthus dropping webs amongst his beetles.

amelia Fab.

n. Dover Ship.

987 Orthotelia Fr. — Monagria Doub. — Hamylis Zell.

sericea Fr. Ft. 201. Ste. 298.
Illoa Hub.
bipunctana Haw. var
anella Hb. var Mn.
venosa Ste. fl. 35 f. 3. Depressaria venosa Haw.
Sparganella Haw. 12, 20. Humb. Def. 291 f. 2. Wood, fl. 38 f. 162.
tostella Hub. 68, 456.

988 Hule Jun. Gen. Germ. Mag. 2, 24. Palpana Haw. Ste. f. 60. Curt. B. E. fl. 727. Fr. A. 331. Tokenes Hub.
schoenicolana Dup.
orbitella Humb. Ste. 33.
cinerella Hub. 32, 220 Haw. , hirta Tr.
Canicolella Hub. 23, 296 f. urbinella Tr.
3 funicus Haw. 483. Ste. 331.

989 Phragmitellus Hub. 23. 297 o. 298 f. Ste. 332.
2 Homlea Haw. 483
gigantea Haw. f. gigantella Ste. o.
5 granitellus Hub. 8. 52 o. Wf.
canolita Fr.
punctigerellus Ste. o.
1 Canicolellus Hub. fl. 23 f. 296 f. Curt. B. E. fl. 727 f.

5 candellus Step. 332.
mucronatus Fr. mucronellus Sch.
acuminella Hub. f. 1, 284. Ahrens. 5, 17
990 Harpipteryx Dup. Ste. 336. Curt. B. E. 535. Fr. crocin. f. mus.
cultrellus Hub. n. 16. 179. f.
acinacidellus Hub. o. n. f. 34, 237. Ste. 333, pl. 2 o. f.

989 Plutella Schr. Hyrodoltha Fr.
nemorella L. Ste. 334.
hamella Hub. 282. Def. 290. n.
scalorella L. Curt. B. E. fl. 530. f. Ste. 335.
pterodactyllella Hub. 192. Haw.
bifasciella Ste.
Hypodoltha Hub. Ste. 335. xylostella L. Ste. 336.
falcatella Don. 10, 355, 5

1. dentella Fr. B. E. 331. Ste. 335.
Scantatus Fr. Ms. hasianus Fr. Def. 295. 3. xylostella L. S. N. n° 1310
subfalcatella Curt. B. E. fl. 535. Feb. 1835
falcella (Hub. f. 112) Ste. 335.
hamiella Hb. 3 104 1835 Wood. fl. 2 p.

29 June Whitlesea mere, Dale. Mr. Cornwallis's Garden fly.
Late at night. J. C. Inn
June & July in a House at Hammersmith, Mr. Stevens, abundant
e. Jul: w. Yarley Hants, Chant & Bentley. Mr. Hammersmith.
Aug: f. on Dwarf-bush growing in Garden
July, Larva in stems of Sparganium ramosum
Fr. f. 60. Curt. B. E. fl. 727. Fr. A. 331. Tokenes Hub.
29 June at Lutton in Fyfield. 28 Lewisham 28th.
June, marshy places. amongst rushes side of Paddington Canal
July, under Flames of Iris Pseudacorus, Mr. Stevens, Mr. Dunn
Whitlesea mere, 17th of Aug. reared f. of C. canicellus
Cat. Poa aquatica, in the stalks.
June: amongst reeds, Norf. Whitlesea mere near London.

e. Jul. amongst reeds Whitlesea mere, Norf. abt.
June & July amongst reeds Hammersmith
Cat. on reeds of Typha latifolia in Mr. Hale's fl. 1. 1. 1. 1. found on the inside of the pipe of the Sun. in Lincolnshire, also in a Typha inside
June on marshy places at Chelt. Whitlesea mere, Dale. Jarvis
June & July at Hammersmith Hackney Mr. Stevens.
12 Aug. f. Hammersmith.
Cat in young stalks of Arundo Phragmites from c. May to c. Aug.

June Woods. amongst Iris pseudacori, nr. Dartford & Erith
17 July f. Boing wood
July 5 Wales f. Pear. Gt. Wlesa mere & Gt. Ely. 26. Crews on Lower Glasgow. Scot.
July, Barwell Plum. Pfr. at Leicester, Bond
Theresia Hub. Ste. 4. 333.

June marshy places
Aug. Dartford Lane marshy Ste.
8 Nov. at a Candle, Bland, Mr. Dunn.
June, in Gardens, Mr. Rudd in a field.
26 Sept. Sandstead.
Cat. on Euonymus europaeus.
June marshy places
Aug wood, grassy flaws, Dartford & Birdcrowe Ste.
June
Cat. on Lonicera Periclymenum.
July. Dunn Mr. Ch.
June
Cat. on com. Plum-tree
8 Sept.
1. Oct. on apple trees f. Worton, Dale's Orchard
17 Oct. " " " J. C.
Cat. on apple & fruit trees.

m. Jul. hedges & gardens. 23 woods, Southwell
27. had bred out from cocoons in glass frame Dr. McLean's garden
Aug: common in gardens round London & Sta.
Cat. on Honeysuckle, Cu. Forest & Bagworth, Boro.
Pupa in crevices of bark of plum-tree
June New Forest, not uncom.
July

1007b. Excœtia Sta: T. R. S. 5. 152.

1. Allisella St. ib. pl 17 f. 1.

June in Rotherham, Yorksh: Allis.
July coast near Southport Lancs.

2 Sumatigerellus Steph: 332. Wood, f. 1525 8. July, Wheathleton near Ste.

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Ophrys Hub. — Chilo Zirck

1 89 Marcia	celiales Hub. 18 Eng. 317 Ste. 2. 53.	[illegible]
Ophrysia Hub.	catalaunalis Dup. 8 p. 330 t. 232 f. 8. Ste. [illegible]	[illegible]
	aquilellus Hub 8 [illegible] Ste. 324.	[illegible]
	retificellus Hub. Haw 485. 13. Ste. 328.	June Epping Forest, not com.
Selagia Hü	lythrargyrellus Hub 53, 85, f. 518	June, Harriet, Ham; Dover, abund. New For. Devon & Cornwall
	halcedius Hub. Haw 485. 12. Ste. 324.	[illegible]
	delicellus Hub?	
	culmorum [illegible] Ste. 324.	June Meadows, fields & grassy lanes round London. Ste.
	culmeae Hub. Haw 485, 14. Ream. 201, 217, f. 13-14	m. Jul. e. Aug.
Epiblema Hü	[illegible] Ste. 324.	June meadows & pastures round London. Ste.
	[illegible]	July 18[illegible], meadows at Ripley.
	[illegible] Haw 486, 20. Ste. 318.	e. m. e. Aug. heath Lyndhurst S.C. Parley heath.
	dentellus Ste. n. 314. 8	m. Jul. Dale. Dorset, Hampshire, Ripley, Dover & Norfolk; chalky hills Ste. June & July in London & Devon.
	argentellus [illegible] F. Haw 486, 19. Ste. 314.	m. Jul. Gamlingay. Commons & chalk hills Dale
	[illegible] Hub 6. 20 8. [illegible]	e. Jul. in a field Birchew:
	[illegible] Hub.	Aug. grassy places round London, abund. [illegible]
	Arbustorum F. Ste. 314	[illegible]
	arbustea Haw. 486, 18	Aug. New For. Dover & Lambeth. Ste.
Agriphila Hü	[illegible]clavellus Hub 53, 205 8 [illegible] Ste. 328.	e. Aug. New Forest & Parley Heath. S. C.
	Arbuscellus Ste. M. 4, 328. [illegible]	25. July Galloway in the marshes at London & Ripley, abund. Ste. June, Harrietsham.
	Stigmus Haw 485, 5. [illegible]	e. Aug. on heath near Parey, Dorset [illegible]
	Leachellus [illegible]	June, Darenth Ste.
	[illegible]ellus Dupon. 127.	[illegible]
Eucnemis Hub.	radicellus Hub. [illegible]	R. Jul. Box Lanes, Dale & [illegible]
	Lapponicellus [illegible] Lapponicus Dup	5. Jul. amongst rusty grass half way up Skiddaw in abund. S. C.
	margaritellus F. Hub. 6, 37, 9. Ste 325. Ph. 205 8.	21. Jul. amongst heath tussocks, springy valleys, ascend Craigchallochs at Killin. Prof. Birmingham [illegible]
Catoptria Hü	Pinetellus L. F. Don 8, 263, 1. Pg. 6, 22. Hub 6, 38, 9 Ste 325.	June Epping Forest: Gardens Norwich S. C. at sugar; Dunning Aug Comb. W. [illegible] Dunham Down. Darenth [illegible]
	conchella Hub. [illegible]	[illegible]

[illegible]

[illegible]
Lithographer to [illegible]

[illegible]

[illegible]

[illegible]

	Cutcellus Hb. f.	
	ochrella Hub. 8. 750 / corylella Hub. - 2 f	
	rorea Haw	
Pedinia Hb.	inquinatellus Hub. 8. 7 f	m. Aug: Roring chalky bank n. Micklehm
	rorea Haw.	June, com: grassy places round London, Darent & Birchmore Ste.
	Cutcellus Hb. from Hb. f. 32.	
	genemaculus Haw 289, 29.	June Epping Forest
		m. e. Aug. Christchurch Hants, salt marshes & heaths.
		July Tuck
		June Darent & nr Hertford, Ste.
	acidellus Hübn. Hb. 32.	b. Jul: in the House at Darent on the ceiling: Stone when Dover House Deal, Shef.
Argyroploceta Hub.	falsellus Hub. 3. Haw 288, 27. Hb. 326.	m. Jun. Hooton's Hill & round London at light places; Kew, for: Devon, Shef
	abrupellus Hübn.	Aug. Meadows. Mortlake & a [illegible] n. Greenhithe. 8th Hon Wilson
		July 15th at light, Micklehm
Tinea Hub.	campellus Hub. Haw 289, 30	b. Jun. grassy & chalky downs, Badbury Rings n. Wimborne, Dorset
	chrysomelella Sco. f. Sch. Hb. 323.	Darent n. Dover; Sheppey, Kent & Seaford, Ste.
	granella L.	
	rorellus L. Hb. 326.	c. Jun. marshes Southwold. June n. London, e.c. Ste.
	cinctella L.	b. Aug. Wimbledon Com.
	chrysomelella Hub. 7. [illegible] f.	e Aug. Heath upon Brakes
Chrysoclysta Hub.	horticellus Hub. 7. 55 f. Haw 290, 31. Hb. [illegible]	June Epping Forest
		e Jun. Suff.
		[illegible] round London, Ste. & Dorset rushy banks Forest
	cespitellus Hub. 7. 55 f. Haw 290, 32. Hb. 6	e Jun. Epping Forest, [illegible] m. Ste
	strigellus L.	
Oecoria Hub.	culmellus L. Hb. 323.	e Jun. Wrentham
	stramineella Hub. 7. [illegible] f.	b Aug Epping forest, hedges & hedges round London, Kew, for. Devon, Ste. and
	chiora Haw 290, 33. Fab 3, 297, 24	
Platyedra Gnav.	barbellus Hub. 3. 61 f.	24 June on Downs I of Portland. Kent.
	barba Haw 290, 34	m: in profusion
Thiaucia Hub.	cerussellus W.V. Sch. Hb. 326.	July n. Darent & Devon, Ste. o.s. 9th Micklehm.
	aureferellus Hub. Haw 291, 35	24 Jun on Downs I of Portland. Kent. among Furzes, Box hill.
	[illegible]	5 June Bartlemott E. & B.
	[illegible]	
	fragumaw Haw. Hb. 6.	July: Netley Abbey n. Southampton, Weaver on cliffs I of Portland, Dale
		5 June Bartlemott E. & B. 10th Lewes, Lower.
	fratellus L. Clerck. Sc. t 3, f 12. Hb. 321	all June Coombe n: Shooting hill. Lyndhurst. Fuarcobre, Hampshire
	augustellus Hb. 322.	m May. abundant [illegible]
	fratorum F. Haw 288, 26. Hub. 5, 29 f. [illegible]	Coombe quay
	fascuellus L. F. Haw 288, 25. Hub. 5, 31 f. Hb. 320.	Aug: Pastures
	alb. 5, 18 [illegible]	b. e. Jun. Coomb. Ste. [illegible] July Glengarriff, Mayne in Meadows round London
		4 Jul. Gamin, 8th Mortlehm; 16th [illegible] 5th [illegible] on Rushes, [illegible]
		June [illegible] Coombe quay [illegible]
Dumetellus Hub. 58, 359 f. 590 g. Hb. 321.		e June Ringwood or Lyndhurst, Stone: o.
ericellus Hub. 5, 371 f. Hb. 321.		m. Jul. Loch Rannoch
		June, [illegible] Ste.

cochlearellus. Hub. 59.
[illegible] arillarellus.

July 3 Wries. Newce

montanellus Hb. 323

July mountains N. of Bangor Hb.

mercurellus Hb. 323

July W. London Hb.

30b. sylvellus Hub: 359, 70
[illegible]

virgirosellus Tell.
cretacellus Dale

in July in Aug. on grass edges of beds Thanmoor. J. C. D.

18th June 50, amongst ruinas & grass, Cornwall quag. J. C. 24th to 1st July 54, abund. J. C.
31, 60 at light, Lewisham, Hb.
1st ♀

Argyrotenia Hüb.

hamellus Fabr. Stef. 320. — June Darent & Sheppey & Kent, Essex & Epping Stef.

ensigerella Hub 54, 367 d. Och. — e. Aug. New Forest, Ramsdown & Parley Heath, amongst Heath

caecastria Haw 488, 24 — m. Sept. among st withys Lambeth

Cnephalocrocis Hub. — tentacullellus ~~Hub?~~ 33, 230 d. Haw 487, 22. Ste. 319 — Combe-wood, long back. Stowe's Cab: & Brit. Mus. (Lyking, whose authority I have doubted.)

intervebellus — N.C American species, N.S.

fructis Haw 486, 16. F. Hub — Stef 327. — m. Jul. S.o Foreland Meadow, Dover S.E.

lignellus Hub? — N. Littlesea mew, Standish

991 Oncocera — Hypochalcia — Araeo Ste. 4. 315.

ancella Hub fig. 3

tetrix Haw. obscuratus Haw 367

annulia Hub 486, 17 ~~6, 313~~ g. 58 g. Ste 316. — June Darent w. not uncom. Hertford, Ste. 6. July on grassy hills Wiggleswick

bistigella Dup. Hübner.

ocella Haw. 486. Wood 47. 1280. Ste. 316. ocellea. — Mar. Gardens w. London, Mr. Knight, in mus Stef.

991³ Anorthosia Hell. — Araeo Ste. 4. 315.

Mariscí Curt

minutella Germ. Ste. 4

Lofella Hub. 48, 334 g Ste. 16 — June, coast of Cumb. & Lancash. at in 1828. Stef. Deal Stef.

albicostiana Ste — 2 Jul. off moths on sand hills, Ravenglass. 5 Aug. off Invarnaro Sea and Inverneiss Stat. Lanarck. June coast of Lanc. Ste.

Weaver

992 Xanthosoma cart. Curt. mag. 1831. 1 f. 190. Lithria gem. Ste. 4. 311. — June Epping forest, Stef. Jul. on high grass, Purfleet w. Gravesend, Blunt. Deacon Dale 5 June Blackwell sand, Dartmouth. 6 & B. in plenty at Ll. Off of Hampstead, Kensington, Bentley. 6. July with Leonie Stephill Stef. in Sandus. Charlton, Kent 25th June.

gemma Haw — Ste. 311.

annulata

elongella Dup. — Dufr. — 283, 2.

Eudilla Dup. 14 Kirby. fl. 284, 6.

993 Phycita — Curt. B. E. 233 — Phycis Fab. Haw: (Lithosia Goda) Och: 9. 139. Hirosfucca Gum. — Stef. 4. 302.

Epischoria Hü. — velutinella Hub. 23, 578 — W.V. — velutina. — Stef. 303 — aug. Sand hills w. Christchurch Hants 5 June Blackwell sand Dartmouth C. & B. Darent w. & Epping for: 6 July Hurstley Downs w. Scotland.

Myelois — Oncocera Ste. 4. 313

Cardui Haw — Ste. 313. — May Jun Hughlies, Barton Cliff. Bulb. 6 Aug. bad from larva found in Thistles on Hedge Mustard m. Aug. in Thistles Kirkby Lonsdale Ste. Rings Cambridge Cat. feeds in the fields of Dens Thistly. Hover flies &c. winter at Horsehead

Lispe Och — britella Hub. 10, 67 — Goda fol 43 f 5

cribrum W. V.

cribrumis Ent.

Myelois — sanguinella Hub 10, 66 g. Ste. 314. — May? grassy places near chalk

canella Don 5, 153, 5 — 6. Aug. long grass S.o Foreland meadow Dover, at flies at sunset July

canella L. Hub 10, 65 g. Ste. 314. — Jun. chalky meadows

canea F. Haw 484 — 6. Aug. with Cust at Dover. Nitous Charlton, Kent, formerly. July Darent w. Hertford, Ste.

Aphomia — Ephestia — Pyralis — Alricella Fr. — Stef. 309. — 10. Jul. amongst dry cones of fir trees Parley Heath, Dale &

dentella Hub 11, 74 g. — Dum. f. E. 1. 300. fl. 10 f 1-8 — 5 Jun. Bentley. Black Park Mowes. Colney Hatch. Mus for. Tower. Left Hawes 15th & 25th June Latham mow. S. Hunt S.

6 June Larva lives under bark of Pinus sylvestris, feed on moss, lichens. Sidar & Bufanlick. Pupa in cocoon flaxen. Imago round London, Ste

Ega Tella Hub 71 — Haw — Dec. 3, 1867, 3 c. Ste 310

Nessiella Hub. 11, 75 d.

Rolorella fol. Och. — Stef. 309

chissionius F. Haw

Pyralis Lin.

ressella Hub. 11, 76 d. — Stef. 3

Jun: dry chalky fields. Epping Forest round London

6. Aug. among st heath by Holiers Parley. 18th w. Bristol. w. Dover; Haw for. 7th & 22d. 28 at light, Lewisham.

6 June, Kirby, Coomb & Darent w. Haw for. Devon & round London, Ste.

992. Prionapteryx Ste 4. 316
1. nebulifera Ste. Ill. 4. 317.

from Frauenfeld's Cat.

2 Farrella Curt. Ann Nat. H. 2 ser. v 5. p. 4. described.

3 b. June 1840, Lighthouse, Lowestoft. N. F. Sur

nubiella Z. Dup. 282. 1.
nebulella Dup. 279. 5.

Devon; Jordan

Eupsilia Hb Binaevella Nub. 57, 383.
elunella Gn.
nebulella Haw. Ill. 5.

26 July on a thistle on the sandy shore by Conduct. Chaucton, Kent.
30th on a thistle in large fol. up river by Thetford.

Artemisiella Stk.

T. E. S. v 5. pl. 6

bred by Simmons

Cat. on Stems of Artemisia campestris.

fusca Haw 493.5. Sk. 310.
carbonarella Wesmaelianum. Gdne. 10, 692. fl. 581. f. 2. Southwellia 225

fraxinicolla F. Sk. 311.
contubernella Hub. Haw
obliquata (an old wing of the above) A.M.N.H. Ser 2 V. 114.

delunella Hub 10, 69 g. Step. 303.

cancellata Germ. Acrancella Hübn.

crystallina Hub 11, 77 g. non S.
strata Germ. Hb. Tr. Eb. Sk. 309.

obtusella Hub. Haw Dep. 1, 3. Hub 28 f. 20 - 23 f. 35
V. 215. g. holomicella F. o. R. 57. 2.
Betulae Germ. trichigella Sk. 310
Christella Frey. Sk. 308
formosa Haw
hirsutella Zick
sabulicella Hub
subtilella Dup. 283. 2.

cerobaris Hub H 15 consocialis Hub 18, 328 f. Haw. Sk. 306.
tumidella Dup. 283. 3.

vernucella Hub. Haw
tumidella Germ. Hb. Tr.
suavella Zink.
Tovenella Sk. 306.
cassia Haw. Sk. 305.
cancellata Germ. Mag. 3. 140, 1.

Eriocrania Germ. Hb.
salmunicella Hub 10, 70 g. Haw.
recurvella Gn.
[illegible] Step. 306.
[illegible] Fab.

Nepticula adversella Germ. Schr. Ges. Nat. 3.
recurvella Germ. Ins. Italiam.

sinuata Haw. Ent. M. S. 350 g. Sk. 307.

Cryptoblabes bistriga Haw Sk. 305
rutilella Fab.

Ephestia elutella Haw. Sk. 305.

Gorgopyrum Ill.

Nephopteryx Zell.
angustella Hub: 10, 68. Haw
Ann. Soc. Ent. 1867 p. 5: 289. fl. 3 No. 3.

22 June: White Moss w. Manchester. Mr Wood. 4th Barnley Moor. Mr
New Forest. Mr Lyell & Dannt. w. 4th. Newcastle, Bruce.
m. Jul. m. Aug. Common in great plenty on burnt stems of heath J. & D.

June. dry chalky fields. w. Lipudham.
6 Jul Dale. m. Jul. w. Dover, Cornish & Barrett w. Sk.
m. Jul. m. Aug. 7th Jul. 50, abroad by Bowman. They flew over the heath at 8 p.m. alighting occasionally. The moths were very restless. 1st to 20th.

18 Aug: on sunny chalky slope covered with short flowers as I to Cornish. Dover.
11 Jul. going to Woolmer Pond. 6th & 20th Downs, Mr Wilkinson. 3. Burdham Down
2 June 6 Jul. Cornish w. Berks, Step. rare

June, Cornish, Barrett, New for. Step. rare
31 July 50 very fine, flying at 7 p.m. over chalky downs covered with flowers w. Bordean
9th & Micklehurst Bassett.

July on the Wilkinson w., Dorset.

June Cornish w. Sk. &c.
2 June w. Mr Thomas Barrett w. Lane, Step.
6 Jul.

21 July abundant on Saltcoats Cacumen
2 June Cornish w. Dover, Step.
1st July to 1st Aug. at light, on palings Lewisham.
Cat. Lobworth sat leaves, pat. on oak &c.

2 June Barrett & Mew for. Sk.
m. Jul. w. Dover. 28th Dorwich. Effing for. 3 to 4. 6.
24, 5 years of Tunbridge wells.
June & July feed at last the leaves of a Turkey Oak at Bournemouth vide Lower
2 June Barrett & Ripley.

2 June Bentley, Cornish & Barrett w.
6. Jul

27 July. 5 at light, Lewisham.
6 Aug: sat on palings 5.

5 Jul. on trunk of an Elm tree, Green Park, Mr Marshall
Putrid wood, Chelsea
June & 100 from the trunk of an Ash w. of Cathedral at Ely: J. Allen
June & Aug. perforate the bark & form a tube.
6. June, on old trees, Brockenhurst.
Jul. skirts of woods. New Forest, Cornish & Barrett w. Step.

30 June at London, falling by Hampstead; Effing forest; Cornish w.
currant bushes &c. Blandford. J. & D. Devon, Sidan w. Dover

5 June Blackwell sand. Bartonville, E. Sk.

Euryporus europius. Cat: feeds on the seeds
Pupa enclosed in a cylindric-conical white cocoon in the fold of a leaf
M. Brown.

Left to Mary Whitaker 1 d.

perplicella Guen.		e June, 4 at Eights Lewisham e July
adornatella.		
ornatella dilutella Stai Cat.	Zool. 7. 2629	e. June on Thyme, e. July. Arthur's seat. Cat on Thymus Serpyllum.
obscura Ste Ill. 4, 308		June on Lonicera F. S. on.
ceratonia Z. obtusa Ste 308.	Z. v. R. 56, 57, 1.	June, Dorset on Step. v. r.
adalpicella Z. v. R. 24. 2. hastilis Ste Ill. 4. 307.		June, Dorset & Ripley.
fiella?		3rd & 4th July 52 one in my sleeping room Tunbridge wells. It was at a Chamiotto.

Fuscula L. Don. 8. 272. Esp. 3. 5. L. S.
Fig. 2. 22
hiemalis Fr. non Hub. 2. 16. f. 3. f. 8
adjecta Fr. S. 5. 1. f. 5.

Aug. Epping Forest. Cornb. & Darent W.
on Poplars & great round leaved Willow.
Sept. Hedley & Digs, not found Lincolnshire in Sept.
Sept. Cornb. Sept. on Poplar. Willow & Poplar
Cornb.

arcuata Hoffm. 2. 17. - Infundibuliformis?

Lactifluus Cantis n. 193.

May on Linden & Beech.

Sept. Oct. sometimes leaved Willow

Insignis (Hub.) Hoffm. fl. 5. f.

July. Darent W. - Epping Forest. Cornb.

Cat. on Birch & Oak.

Cibrida Hub. Esp. 3. f. 19. f. 3. - Hoffm. fl. 15. f. 2.

Aug. Darent W. on Linden or Poplars
Sept. Cornb.

arcuata Pers: var. f. 17.

Sept. Cat. Hub. Poplars. Willow & Lombardy

crinita L. Sowerb. t. 5. Don. 3. 85. Nees 158

Aug. on Willows & Poplars. Meadows, Gardens
Sept. Cornb.
Sept. Cornb. on mixed woods in Sept. Wisbeach
Wood Cornb. in some lanes of Wood & grass, & others on surface of earth of woods & grass
Aug. Cat. in July by the roadside Brentw. Bowtell Cb. remarks
Cat. Hub. growing gd on Poplars.
Beech wood. [illegible] Birch.

camirea Hub: Esp. 3. 19. f. 1. 2. & 78. f. 2. Lam.

Cat. Willow. Poplar & aspen
Cornb.

794 Stauropus Germ: p. 25. - Harpyia Och:

Fagi L. Don. 10. 328. & [illegible]

May on Birch, New Forest. Cornb.
May on a fine lamp, Chapham Common. Mr. Douglas and Eyton Clifton
Jun. at Ramsch S. C. - Wood at Chestnut Hants.
July at Brockenhurst. Berkley W. Bagshot. Mr. Bird.
High Billingham Cocks
Aug. in a wood at Sidbury Northampt. Mr. Dr. Fox on hawthorn, lime tree, hornbeam
Aug. Cat. Hub. Oak. Birch W. Darent, Mut. Lime, Hagus
Sept. asphalticus, Betula alba & alnus. Bucus domesticus
July. Lime Birch Oak & Birches

Notodonta Och. Germ. p. 37. - Pheosiden Hub.

Dromedarius L. Hub. Don. 10. 350. f. Cornb. 8. pl. 13. f. 1. & 2.
Zeba Don. 12. 397. f. - dromedarius Lam.
Pitophanes F.

6. June. Cornb. Darent. Norwood. Suff. Cheshire on Cabbage
Aug. Forest of Wis Westerns
6 May, smaller Violet Hill near the Isle of Wight Cornb. & Lambert.
Sept. Cat. Birch. Oak. Poplars, Alder, Beech, Hazel, & Aug. Birch wood.

Bicuspis Lam. Hoffm. fl. 11. f. 2. & Lam. Esp. 3. 13. f. 5.
Cornb. 8. Cornb. 8. - Hub. 27.
Pitophanes F. Esp. hamula Hub. 11. f.

July. Dublin
Aug. Cornb. on Birch & Willow in Aug. Cornb. on May 27 & 28
more numerous in Aug. Wisbeach Gunville & Cambridge
Aug. Cornb.

vicrae L. Don. n. 119. - Sphinx f. 12. New Syst.

6 May Darent & Cornb. W. Trunks of trees. Norf. Middle Dr. Comm.
June
5. Jul.
Aug. 3 at Eppin. ad Cornb.
Cat. Hub. Lime. Aug. Sept. Willows & Poplars. 13 Oct. Regent's Park

Pheosia Hub.
Leiocampa Hoffm. 2. 22.

dictaea L. Syst. Nat. tremula L. F. L. Lam.
Tremula Don. 7. 239. f.

June Cornb. & Darent W. Epping. Tower. Cyrcham. Mr. Cowan, Walton
6 Aug.
Norf. Putney heath.
Cat. Jul. Sept. Hub. Poplars. Sallows & Birch

dictaoides Esp. Hub. Eb. - Quenna F.

July. Cornb. & Darent W. Birches.
Hurstpier. Delamere Forest. & Middleton Lighthouse, Gorgon.
Cat. Hub. Poplars, Willows & Birch. July. Aug.

rufa Haw Stt. 304 July old shady pales nr Londan
any gardens & borders of woods Stef.

Ephestia quen: Mycelois Pomiferella Zell. elutella Hub. Haw Stef. 304. July, Fulham, off a Plum tree. J. C. Hampson
June hedges Barnet & Coomb. w. Stef.
5th & 22d Jul: on palings, Lewisham.

992 Eudorea Curt B. E. 170. Scoparia Haw. Stef. 298. Ptc. Zeller in Linn. Entom. p. 262. sd. 1. Chilo Och. 9, 133.
1 Cembra Haw Stef. 299. April on pales Regents Park
Cembrella L. F. R. 902. 40. Certainly not. 5. 1. 22. trunks of Pines
June Farnborham.

2 dubitalis Hub. Haw: dubita. Stef. 299. Cat feeds on Scotch fir & Darcelle in a rough case
Pyralis 8, 498. m. May Coomb. w: J. C. end, Southampton.
Eupa fupalella Hub: 24 f 1672 c. Jun. Hants. 27th trunks of firtrees, com: Bournem
July, trunks of trees in woods & gardens, Stef.

3 subfusca Haw Stt. 4. 299. c. Jul. Birch. w.
c. Aug 28th. 44 trunks of firtrees Black park
14 June Buckland Devon C & B.

4 Mercurella L. Hub. 3. 231 g Stef. 300 Wood f. 1450. v. c. Jun. Wrentham. Oaks & Sallows, Cat.
Ptc. 1441. langustea c Jul. com. on banks Shelford warren, very fine. 6th Blarney. J. C.
ambigualis Duf. Pyral. 1229 f. 56. v. abund. trunks of trees round London - Pass. for: Devon, Nº 4 Sur. Stef.
13th sank var: Hub. wells.
6 Suff, Fumifera, Whichtham. Widdington Lond. w. c. Mc Lagan
Ash Lemna.

5 Cratægella Hub 3. 231 g
cratægalis Duf. fl 1229 f. 7 4. 292.

6 Forflandica Dale
phæoleuca Metzn. Zell. v. 1 f. 306 n. 15. f. 13

Isle of Portland, J. C. D.

7 murana Curt B. E. 170. Stt. 4. 305. 7. Jun. Walls Ambleside abund. J. C.
Eudelis Zeller f. 334 fig. 12 called Lavinia C. 9. Jul. On a stone wall nr Aberfeldy in Perthsh: Blackburn
& aug nr. Rothesay

8 cincola B. E. 170. Stt. 4. 305. Curt. ann. N. H. 5. 115. Jun, Plaistead nr. London & Dev. of England, Stef. Gl. Wood. Stt.
Eudelis Zeller f. 308 fig. 8. Wood f. 1446 not good. Oak Lemna.

9 Resinea Haw 499 Stt. 301. Wood fl. f. 1448. June; Stone, Near Sr. & Dover.
delunella Guen in litt. July, trunks of firs & pines, around London, Stef
— 5 Aug, Sand Town. Pangiser
Cat: in galleries under Kitchen Pavy, Hicks.
June round London & Brew for: Stef.

10 trotrigella Stt 4. 300

11 Pyralella Hub. Haw. Stef. 299. c. Jun. Garden, Wrentham & Lowestoft. Nº Durham Jun.
Hub. 24. 1672 Nettles in hedges Coombe - w. Torquay, Devon
July abund in woods & orchards round London, Stef.

12 pallida B. E. Stt. 4. 300 c. Jul. on Thistles in the evening Whitlesea mere & Monks wood
Fen, Schf & Det: Finigan with Zwagg, Gl. Wood. J. C. D.
21 June, Coling road, Surrey

13 angustea B. E. fol. 170. Stt. 4. 302. Curt. in Ann & Mag N. H. 5. 116 Dec: 1919 Aug on the damp sides of a cave, Tonbridge wells, J. C.
coarctata Zeller f. 308 fig. 12. 2 20 June 43 Seignemotting, Jordan: Hastings, Stef.
3 Sept & Oct: 3: Sept. 13, on face of rocks Arthur's seat; Stam: Golden rod blos.

995 Diurnea Haw 501, Stef. 4. 237, Lemnatophila Och. 9. 35. Fuscata Hub. Curt. B. E. 16. 743. Duponchel, Ann. S. E. 7. 127.
Chimabacha Hub:
fagella F. Hub. 2. 12. & Lav. Curt. B. E. fol. 743 f. Mar. Trunks of trees Kensington gardens
atomella Hub. var? 2. 13. Apr. 183? on palings in Regent's Park. 20th trunks of trees Coombe w. w.
Duponchella Stt.

Cat Aug Sept Bark Oak, Ash, Elm, Pines.

interpunctella Hub: 15, f. 310. Dup.: 280, 5.

frequentella Stain 3.6.

Illuvella S.C.D.

6. concinnella Curt Ann & Mag. N.H. 2d ser. 5, 115. descr.

alpinella ~~Dale~~ Curt A & M N.H. 5. 116.
corvitella?

Dennapk: 8th & Entom Zeit. 1853 pl 3 f 1.

Eg. June Lewisham coll. Lewis, Hang.

16 Aug.
Mytchelmwood, nr. Bordeaux S.C.D.

Bournemouth Bri-trees.

m. left stone walls, St Lawrence Downs, Isle of Wt. F. Kendall & J.C.
1850 coll. Hanbury, Hang.

Coll. Jean Louis Lucas. P.M.G.

997 Lemmatophila Hub: — Chimabacche Fam: non Hub: — Diurna Haw. — Stp. L. 238.

Novembris Haw q — Cont. B. S. fol. 713. q
Mr Edestone has taken this fond with L. Phragmitella & Smaragdina on Hayden, cont. mid June for 8 q in May 1864.

Nov. trunks of Lime trees Lewisington Gardens, Lewisham
Flying fond. 19th Dulwich

2. Oct. on grass at foot of Oaks, nr. Maley bridge in copse with the S. R. S. Edestone, Cont. B. q. 229.

2 1996 Epigraphia Stt — Lemmatophila Stt.
avellanella Hub 2, 27 8 q unique. Ste. 234.

Semiocoscis Hub: — Ste. L. 238.

14 Mar. 42 falling at Penge, — S. W. D. 8 Dulwich & Wood Lambeth in fine
Autumn, Birch & Lazulus Stp.
2 Mar. Cope. hunts of Birch, com: Tamarix. Nase

Kinkerianana Tr. Haw — Stp. 234.
characterella Hub 26. 18 8

2. Mar: flies morning & evening. Frequents Blackthorns Hawthorns &c. on Nettles on a Bank thro' Plumstead & 1 of Common Rd to Johnson's hedge Norfolk & Somerset nr. Stp.
2 Apr. 6 May. visited at Lewisham.

997 Lemmatophila Stt — Cheimophila Hub: — Stp. L. 236.

Phragmitella Hub 2, 130 8
Tineria Haw q
Lichenella L.
Novembris q

Oct. Woods Glanville Wootton. Lewington Gardens, Dawn
nr. Oct. flying in a Laurel walk in a fine morn. J. Heron Cont
Nov. flying in Sun Coomb. nr. Under oaks, Mr D'Amante 14. mid day.

998 Dasystoma Cont. Cut. May 1, 1890. Exiguata Tell.
Ste. L. 235.
Salicella Hub 2 9. 8
nicomphetaria Haw q
Sericis Haw 8

2. Feb. hedges
Autumn in woods round London, Flying & Mew forest, Stp.

999 Chronica Hub. — Ste. L. 236. Intermedia quinc
Hortricella Hub 2, 11 8 Ste. L.
alternella (Ch. 10. not Dep.)

2. Feb. Oaks. very abund. in Oak woods nr. Hertford, Coomb nr. Freeman Stp.
22 Nov. at falling leaves of Oak

nubifera Haw — Ste. L.
nigrana Hub 2, 20 8.

2. Feb. Oaks, sugar in the Sun
nr. Feb. bred a specimen
Nov. not uncom. in woods round London, Stp.

1000 Cheimatophasia Cont. Cut. May 1. 1890. — Winnemanniana Lep: — Dryopate Hub: — Ste. L. 235.

pedatella L. Stt. 2. 196. Kanar pl. 23 f. 21 & 22 q
S. S. 1650. Hub. 52, 2668 q Ste. Cheek Ic. 1 8/3
paradoxa Tutt q.

Oct. trunks of trees fruit gardens. Eltham, Kent
29 Dec. flying in mid. of fine day at Hertford in Orchard Wall. Coombe Wood Stp.
22 Dec. 8 on palings Regent's Park. S. B.
Food of Chaerophyllum sylvestre, Lime:
Larva on Whitth. Currant, Elm, Barberry, Lot 7. in a cocoon like silken cane on the leaves. S. L. S. VI.

1001 Cochlophasia Cont. B. E. 2 11. 487. Stp. 2. 232. — Falsophora Tell.

lecverella Haw 522. Cont. B. E. fol. 487. Tpl. 8 q
Tovellex Haw. — Ste. 233.
pseudobombycella Hub: — 212.
gilabrella Ochs:
subsonis Haw 523 Cont. B. E. fol. 487.
solitella Tr. v. R. 38. 23

2. May. cases stuck to palings nr. Southampton alley bred in a few days.
3 Jun. 3 Parent Lane & Hants S. B. 8 bred 5 June 26.
q trunks of Birch Coomb. nr. Ste. May.

July nr. London v. n.
Oct. out of an Oak nr. Micklham S. W. Douglas
June in a copse nr. Grassington Yorks; Allis: H. D.

1002 Adela Lat. — Cont. B. E. 2 63. — Capillaria Haw — Lemmatophasia
Stp. 2. 229.
Roverella L. — Ste. 232.
filella Hub. 32 — Haw 522
metallica Zell. — Stp. 239 — Hub: 61. 273.

6. June chalky places nr. Cobham Surrey: nr. Hertford Stp.

Pauperella L. — Ste. 232.
Swammerdamella Hub.
Pauper Haw 522.
Phragmitella Tell.

6. June chalky places Kent & Parent. nr. Wrentham, Suffolk
23 May abd. flying in evening out of white thorn large New land Lewisham
Collingbourne nr. Wilts, pair Brigham on the Sand among Pans Lewisham.
30th Evening Oak, Gl. West.

Swammerdamella L. Haw 522. Ste. 232
Hub. 61, 4 104 & 211. Dup. 301, 11.

6. May among the Furz bushes, Coomb nr. Birch trees Coomb nr.
nr. June. Woods Shotover nr. Oxford. Gl. West. Parent.
6 May Gravelly nr. Lon:

[illegible] inches of in site thus under earth of rising stone, where the [illegible] of [illegible] Stay.

incorporincular Stain Cat. C. 3.
Lichenella?
umbrella of Cat?

m. Mar: cases on palling Edgeware road, F. Bond
b. Apr:

[illegible] Lett. Stain 9. 2.

Adela Lat. — Tineoides Hub.

Trichiella L.
Trichii Haw. 521
Scabiosella Scop.
cupreca Haw 521.
E.B.S. fol. 463 ote. 230.
m. July on flowers of the Scabious in Dament wood in abrid. Aug
1 Aug. in umbellate flowers Dover.
1 Jul. Crymes Dyke 23 many on Scabious flowers, Bordean
May, the end at Bristol & Dover

Reaumurella L.
Sphingiella Hub. 19.129.
Scabiosella Scop.
cupreella Haw 521.
viridella Hub. 19.128.
Dup. 300. 7. Steph. 230.
7 May, white flowers among on hirsute & umbellate flys & in 2d day
abundant in hedges round London flys in hedges like many flies.
1 Jun. Scabious Dover 30 Jun. Dover.
Brace in Derby.
June flowers of Scabious Dament w.
29 May in afternoon in Dexter C & B. 18th off flowers in plant Mussel Gn
m. July on a wide in Surrey
7th May Scabiosella

fasciella L. Haw. Steph. 230.
[illegible]
6th June. New Forest, barren sheltered Dament Lane & opposite Road
1 Jul. Grimesdyke at Stettles. Sir Hedges, in Fir, in oak, Fir, Hom Park
Aug. in Dover, Arnside Hill & Middlemarsh wood in 69.

Pelpercella L. Don. 8, 267, 142. Hale.
strutella L.
Gorella Hub 19.130 & 67, 226.
Dup. 300. 7. Steph. 229.
6 June, in Southampton Dec. 6 in the times Bagley wood, Oxford
3 July borders of wood. Dawlow, Hoxton w. in some Sussex in hedges & groves. Hf.
in June meant in Bristol.
Jul. in case on Wood anemone Richmond
9th June, Sandwich 2nd Birch.
June moist lanes, plant hedges, 4th Brom in Jul at Wrentham Sh
1 May 6th Bristol & Dunster woods, Dover Hf.

nigrella L.
Dup. 300. 7. Steph. 229.
& Pedella L. Don. 8, 267, 7. Hub 18.121.
Sulphurella Haw.

Cauchas Hub. N. Monacrocheila ~~Hub. 52, 355, 1330.~~ Steph. 229.
fibulella H.S.
Dup. 300, 9 & 10
Trichii Haw. 521
July Kew Richmond in N. of England. Weaver.
20 May in Dover, Comm wood.
June among Barn [illegible] Box hill. Dispersed in woods, hot noon, 14 Jul
Oct. in a grand hit in grass in Northam.
middling in Stephens. Wanted of Tarmin & Dover & Dover & Lewisham

1002 Acrolepia Lat. — Gnel. B. E. 2. 18. — Elachista Hub. — Dasycerus Haw

Sirella H. Haw. 524. Cognebert. E.B.S. fol. 408. Dup. 303. 1.
cinerella Hub. fol. 32. 1222.
m. June. Regent's Park flys in the mown & ale. pales in the summer
June palling Hampstead
2 Jul. Coldham, Surrey in Hertfd common Hf
Jun. in Soho. Haw.

[illegible] L. [illegible] Gnel. B. E. 4. 6 Haw. 524
Gnel. Germ. 1051, 1064 Steph. 228.
Cavellen H.S.
commutatella L.
obnubilella Hub. [illegible] fol. 46 & 313 1. Dup. 303, 34.
Sept. palling Lewisham & Dover
2 May, 1882. Gunnersbury. Blackheath hedges, Surrey
m. June in wood shades in woods Kingsbeam
Oct. mine bark of Sycamore Ancyle & Silver Hedge, Sydenham, Surrey
Oct. mid. bark of Ash tree c. Dec. in Surrey. Ac. Sham. Old Warwood Hub
[illegible]

1002 Bruce Lona. Lat. [illegible]
Alabonia Hub. Geoffroyella L. Dup. 303 2. Steph. 227.
m. May, flys about sabling Oaks in the morn.
30 June Oaks Hampstead in wood & hedges Hf
Surrey

Quiostomo Gnomorgana B. Steph. 226. [illegible]
Lobella Hub. 35, 238.
Lugubrella Dup. 30. 1.
June garden palling Dalham. S.C. Devon
2 May, Condover, Surrey

1005 Macrochila Steph. 223. Dasycerus Haw. Aplota Steph. 225. Gnel. B. E. 655.
fuchsella Haw 545. E.B.S. fol. 655. Steph 225. Dup. 20, Kent
July out of Surrey on Hawtrey fields — Dec Roistion to Lymen
Oct. in a Bristol field, Bagley, Hf

Ralfulla Dep. Phoxota Steph.
cocciella L.
Nice marginella Fr.
Anchinia
Hub. 7, 115. E.B.S. fol. [illegible] Steph. 224.
6. June among Bury Parley in alle. S.C. May palling Dover.
m. June Settle, Dover, Dartmoor, Kew Dover, c. Ecclesfield. 3 West Wickham
25 May 44 Whitmore. 23 Wickham Kent.

Atenita
Marginella L. Don. 2, 58, 2. E.B.S. fol. & Steph. 224.
E.B.S. 8, 335, 13.
Shiatella Hub 23, 154.
Clarella Curt. Dup. 304. 2.
May, Dorset, Faversham, Dover, Cheshire.
c. Jul. Sunnyside Birchwood, S.C.
June, Sandwich. 3 Dunedin
3 May, Bedford common. Cut. Kent Lewisham

cuprella Tr. W.V. Hub: 27. 185. Dup. 301. from Hbn. — e. May Gl. Wood. Sallows in bloom
7 May, sallows Penny Stratford, S. Stev:

Damoritella Dup: 300, 12. Stain. 10. 8. — Devrigues.

minimellus Mann. Stain 10. 3. — July, moist meadow, Deptford, Mr Britain; Stain.

rufimitrella Scop: — 22 May, rushes in meadow Ulverston by, R. Hile
Trichella Hub: 63, 425 & 426. Dup. 301. 3. — 1st n. Hastings, H. Cooke, amongst sallows.
Leammerella Ste. 231. — June w. Ladow Stk + Gl. Wood.

fuscocupreella Haw. Lep. 30. — May, Leeves.

Parasemia Ste. Cat. 202. & 418. Eidophasia Ste:
Transversella Ste: ib:
Messingiella B. & R. 68. 3. — June w. w. Ramsgate, by Wardstone, Kent, w. J. F. J.
June 23 Brighton Lee:
July J. S.

Mr. Wolley's Cabinet

[illegible] Hum. Lin. 23, 55
[illegible] Hub: 23. 156. — w. Hull. in Mr. Wolley's Cab.

Amasia Stain
Robertsonella Curt. B. E. 465. ♂ ♀
Spartiella Schr — 15 July among st grass & furz bushes Hampst. heath J. C. Wanstead flats G. K. very abund. ♂ ♀. at Wan. Lucas & Broadlands, Stain.
1 Aug: Leeswham.

aristella Linn. S. N. 2, 894, 416. C. B. E. Col. ib. Hbn. 225. Bred by J. C. D.

Plumbaginaceae. Armeria maritima L. E.B. t. 665. Mill. Dic. — Sam: Blackstone
semiostella Hub 59, 396. Dufr. 294-7.
[illegible] 6 June on Theasley plain.

Rhinosia Fabr. Oxybelia Hub.
fascicula Hav. 16. 111. [illegible] 26. Jun New Forest. [illegible] meadows.
6. Aug [illegible]

1006 Aconophora Hub. Hb. n. 222
[illegible]
unitella Hb 35. Hub. — m. Jun. Pales Keynsham Park
[illegible]

unerella Hub. L. Haw. Hb. 222. Dufr. 290.9. 6 July, Darnet w. Hof.
ardeliella Hub 65, 237

[illegible] 3 July Bot Gardens Regent's Park. [illegible] Hetford. [illegible]
[illegible] Hill, R. B. 29th. [illegible] Keynsham & [illegible]
e. Jun Darnet w. Hof.
Col. Haw.

1007 Grivaiscera Hb. [illegible]
[illegible] Jon. 3, 136, 3. Haw 399 — e. Jul, Birdwood [illegible]
Fagana Hub. [illegible]
[illegible] Hub. [illegible] 210, 3951.
e. Aug: paths in woods & Gardens. [illegible]
e. May [illegible]

1008 Depressaria Haw: Cust. 5 t. 21. Pteroma Lat. Hampton [illegible] 9. 285.
Fam. Ref. 5. 151.
47 Heracleana Delg. Ph. Hean. 2 tab 6 f. 1, 4. Haw 190. Dup. — m. Mary G. Wooton
Heracliella Hub. Hub. 62, 417 f. 66, v 399 g. Carduella Wood. 3 t. 160
Heraclei Haw
umbellana Fab.
m. Mary
m. Aug. Dover
E. Cut. on hatched from Cat. found on [illegible] 3 July Bonnum
Centaurea cyanus [illegible]
35 characterosa Haw
Chaerophylli Zell. [illegible]
m. Aug: Dover
Cut. [illegible]
Chaerophylli Hub. [illegible]
Laura 6. m. July in flower heads of wild Carrots. [illegible] Pimpinella [illegible]
m. Aug. Norf. bred on anise [illegible]
July [illegible] sugar, Haw
40 Heracleana Hb.
Laura 8. Aug in flower heads of [illegible] [illegible] Bridam. [illegible]
[illegible]
41 Albicella Hub. 14, 96. Bouche N. [illegible]
Bancella W. V. Zell. R. A. T. g. 185. [illegible]
Pastinacella Zell. Dufr. 291.5. 6 194.
Fagella Hub. 149 g.
36 albipunctella Hub 22, 149 g. & Lav. Dufr. 312 [illegible]
Aug & Aug. at sugar, Haw

15 Citurella Hub. 2, 83 v. 2d. 1184.
citrea Haw.
Hypericella Hub. Cut. Dufr. 290.7.
Laura may on Hypericum [illegible]
[illegible]
[illegible]
16 cum punctosa Haw
coniminella Zell.
[illegible] Hypericum perforatum, [illegible]
e. June hedges
June [illegible]
Laura May [illegible]

25 [illegible] Hb. [illegible]
Cicutella Hub 15, 79 g. 62, v 198 g. & Lav. Dufr. 290.4.
R. A. T. g. 182. pl. I f. 15 & 12.
cicutella v. [illegible] 1177 albipunctella [illegible]
[illegible]
e. Aug: hedges Kent
Sept
e. Aug. Gardens
[illegible] Hypericum [illegible] Hedges [illegible]
[illegible]
12 Juncharea Haw Wood 186.
Paeuinella Hub. 62, 216 g. Dufr. [illegible]
e. Aug in house Hence Court & [illegible]
e. Apl. abundant in hedges [illegible]
Sept in flowery thatch, Weir.
Sept thatch, in Lavo. [illegible]
Ventnor, Mr. [illegible]

13 [illegible] Cut. 5, 15 f. 1 f. 1.

Durdhamellus Stani R.4. — Durdham Downs w. Bristol, Sicom. Devon, Jordan.

pulustrellus Doug. J.E.S. v.9. p.11 — Upexley, H.D.

unitella — in Sum Cornwall Doug? & Dr. Wheelhouse

vitella Zell. Anacampsis

The bat. of a Pastiniacella Zeller is, if rightly Ann. & S. for 1844 p. 189. pl. 5 no 1. B. Woods on the green seeds of the Veratrum of the nivium: when full grown it eats a hole in the stem close to the ground & lives in a purse inside, sometimes several together.

45 Pastiniacella Dup. Zell. v. 11, p. 153. — 29 Apr: hedge, Lewisham.

41. ultimella Stani J.E.S. 166. pl. 17 f. 6. — 2 May, Southern hedge, Lewisham.
apiosa Haw?
pulvidella Wood 1180. — out at Wrotham, Folkestone
Sept. 8. at Lewes, Weir.

37 pulcherrimella Stan J.E.S. 164. pl. 17 f. 8 — 26 Aug, Juniper, Mickleham, Stani & Laurenstead Downs.

Douglasella Stani ib 165 — 6. Aug: bushed soil of grass, Ventnor, J. Bowi
[illegible] Mickleham, Boardell

Wirella Stani. ib 165. pl. 17 f. 5 — at Sugar w. Brighton? Weir.

26 cilicella Stani (Curtis var? ? alpiana) J.E.S. 161. pl. 17 f. 7 — Sept. at Hatch, Mickleham. Doug Lewes. [illegible]
alpiana

27 rotundella Doug Zool 1270 8. — Bat. of Wedly owing to the leaves of Angelica sylvestris, J.A. Hell.
peloritanella Zell — out of Hastie Jordesione.
6. Aug: abund at sugar, Ventnor, J.B.
28 Jul. Mickleham Boardell
Sept. sugar, Mickleham & Laurenst. Doug.

11 Ilstraeneriana Z. — Dufr. 290. 5. Wood. 1179 — Apl. Hedges, 14th Surrey
funerella Hub 12, 82 f — Aug. 8. Lewisham & Greenwich Heath & wooded ravines, Hutton
monitella W. V.
8 Sept. Ogier ground Wilson
m. Oct. G. Wootton
m. July Cobham Hanson heads of wild carrots &
20 ocellana F. Ste — Wood 1173. — Apl. Chelsea. 5th Dulwich wood.
signella Hub 12, 80. Signora Haw.
characterella W. V. Ech. — Dufr. 290. 3 — 6. Sept. Ogier ground I of Wight
Lewis, July on hedges.
gilvella Hub 14, 96. Ste. Wood 1171. — Gilvora Haw. — c. Apl. G. Wootton, E. C. — July & Aug. com. & Springdale
arenella W. V. Ech. — Dufr. 290. 2 — m. Aug. Dover. 10th Deptford marshes
6. Sept. Ogier ground I of Wight
8 — Lewis on Bangham sea pinks & pasca & Cl. at Carolina
1 costosa Haw — Wood 1180. — Aldeburgh Lond. Surrey, Coatham, Broom, Clanville
defunctella Hub. 378. Dufr. 291. 2 — Aug. 4th. Kersal Moor, Bickerton. 2nd Cranham common
Goutsana W. V. — Wood 1175.
Spartiana Hub. 199.
July, common
5 erorella Ste — Wood 1183
assimilella Tr. — Dufr. 291. 1
alonora Haw
m. Aug. under Pines Dover Heath
m. Jul. Broom, Kent, Anthrey, Hav. Innerleigh wells
Lewis Apl on Brocolia, Hotham, Dorset
19 Cardiella Hub 66, 139. Wood. 1170.
Sept. 2nd Aff. Hastings pier on cypress hedge.
on pale on cornucopia cypress
23 Jul. Tunbridge wells, Hey
m. & Aug. under a stone Dover. Hants. Charlton on broom in wood by Lantle lighted, Dorset
7 atomella W. V. Hub f 35, 240.
subverella Hub f Verg. Ech.?
assimilella Tr. — Dufr. 291. 1.
respersella Tr. var.
20th. 3 among st Broom, Lic.
Barnes Cypress
June Lewis pinks on gorse Broom, Dorset, July, on Cypress also
verosa Haw: var: of
delunitella Hub f
m. Jun. Regent's Park
m. Aug. Dover
Wing on cover of the bay, Newman. 15th Aug. Dudleum Downs.
42. nervosa Haw var of defunctella — Wood 1166 & 1167 — Apl. Hedges
Dauella W. V.?
5 Shamaniana F. Ste — Wood 1172. — 20th Jul. Kidsheath, Cheshire, Edgeton, 14th Tunbridge wells
flavella Hub 14, 97 — Flavora Haw
citrella W. V. Ech. var: Dufr. 290. 1.
29 Jul. Hy. Dover a chalky bank at Nature in a cover of Hedge
m. Aug. under stones Shakespeare Cliff.
May, bred in Centaurea jacea.
New Forest & Mr. Lyell
bifunctosa Curt. Ann. N. H. 2 ser. 5. 116. Dec.
(Sabaudella Hub. 4. 98 var)
24 intermediellar Stain. E. E. 5, 100, pl. 17, 4. — Fertoscum Hunters
25 Upsaleana F. E. E. 5. 2. 2 & 4. 136 — Upsalia Haw
albidana Don 11, 377. 2. — Coombe m. & Godstone Surrey
Apr. G. Wood. E. C.
fuscidella Hub. — Lab. Haw — m. Aug. Dover. 10th Deptford marshes
7. Sept. Ogier ground I of Wight.
4 Umbellana F. Ste. — Wood 1184 — c. Aug. out of Furz bushes Harley heath, E. Cornwall
umbellarum Haw
Mitella Stain
Sept. Furz Wickham
Blantii Curt. E. E. 221. Wood 1185.
defessana Tab. — R. A. T. 9. 183 pl. T, f 15. 16.
34 — c. Apl. bred I from Southchurch Essex
Hub. 107. Dufr. 290, 97 10.
collariella Z. 4.
Larva Dunn in umbels of carrot & parsnip at Barnes

6	nana Hell. Stam. J. E. S. 5. 156 fig. 17 f 2.	Seal, Shef. 12 Aug. hedge, Chartton sand pit. Doug.
17	angelicella Hub. Lep. 337. nubidella Dup. 240. 6. Dup. [illegible]	June, Burwell 6 at sugar, Bond, Gayley Cat on Top leaves of Angelica sylvestris in June. J. A. Hill.
9.	profunquella Tr. silvolta β. Haw.	May gone. 30 Aug: a hedge, Lewisham. Out of Thatch, Doug: Oct. in goldenrod, Alnwick
10	alpro funquella Stt. J. E. S. 5. 156. fig. 17 f 3.	Sept: Folkstone, in plenty, Douglas; out of thatch, Cambridge: Bond. at Lamplight, Alnwick
3	pallorella Zell.	c. Aug. 50 at sugar & out of grass at Ventnor, J. B. Reared from Angelica sylv. J. A. Hill Sept. Lewes, reed thatch, & sugar. 6 on reed blossoms after dark, Gayton, Suff. Atkinson

Hunstend Feb:
Nov. 19, 18

Loudon's Mag. 3. 332.

July or Aug 1828 a small specimen was cap^d by Capt. Blomer
at Pembroke St. Davids, near Fishguard west in Pembrokeshire
It is a N. American Insect.

In May 1827 a vast multitude passed over Switzerland during 10 hours. vide Ann. Sci. Nat. March 1828.

in Sept. 1851. A charming one taken at

Joseph Bailey Mr Ingall's Son.

Martlew & Middlewood in Marton, Essex, new 100 on the wing in 1852.

Green Lane.

[illegible] Sept. [illegible] in Aug. 1833 [illegible]
Sp. Newington by Mr. Lane.

T. Marshall

Mr R. Wood of Manchester took 3 or in cop. with Hyperanthes, they kept united till he got home. I saw 2 of them.
A 3 was taken in France united to a ♀ V. Urticæ. A. S. S. 1842 p. 81. I have twice in cop. with A. Pasiphaë &c.

1852 May 2. o. in

Epipharcia Boisd.

crenata Hamp: Entom. p. 150
cruro-a Hub. 6, f. 12.

[illegible] Sugar Tree wood, N.E. Vant 41.

[illegible]

Apr. Cooper in Penshurst N.E.

Stephens was seen on the wing in Cornsbrow 8 Apr. 1833, in fine [illegible]

30th April 23, numbers of d came to a magic lamp on a box on White moor, nd Beaconsfield, they so the same coming 153 yards off, in the afternoon.
E. Colesto. in Zool. 1. 200. The moths of Lasiocampa Rubi were attracted by and got Entomia, but did not remain. B. f. 260. - 28 Apr. 66 abundant at Whitemoor

1009 Anacampsis Curt. B. E. 189. Stainton 202. — Gelechia Hüb. Tr. Ent. Soc. N. S. 1 p. 249 Index
Sunifrella Hüb. 31, 216 Steph. 205. Wood 1187.
m. Aug. Epsom
Sally Box Lanes, off the Smithy, S. Ed. vars. is the one on Side Lain Gal.

× Sunilella Dup. 296. 1. 234. — e. Jul. trunks of Poplars, Wanstead.
Trenwellella W.V. var 104. 27. — Blattarella Hub. 18.
Chenwellella Steph. 205. Wood 1188. — Sunifrella Haw. Steph. 205.
Hondreella Steph. 1187.
× rusticella Hub. 3. 5 — Sally trunks of Poplars Epping Forest.

× Longicornis Curt. B. E. 189. Steph. 189. Stainton 20. Wood 1189.
Zebrella Heit. p. 2. p. 82.
intrinsella Hüb. ab. 70 Steph. 189. Gelechia Steph. 18.
Listerella Wood 1190 Steph.
June 3 — Steph. Lydia
Sally 3 Wenner
12 May Woore, Prestbury, Hyde
Cheshire — Fine specimen in Blat. Wood, Steph. 18.
Collection of Mr. Mawson, 1846. Common specimen at Dudley field.

× nebulea Haw
Polunbella Hub.

× Betulea Haw — Steph. 206. gradinella Tr. — Dup. 296.
Purpella W.V. Wood 1189.
Fraxanella Hub.?
Cinerella Steph. W.V. var. Wood p. 39 f. 1210.
× Tenebella Hub. — Dup. 297. Wood 1191.
m. May Southgate
c. May very common on Parley Heath amongst Furze
b. June Mr. Carrot end about Tonbridge.
Steph. Buckwood. Sally Steph. Eng. Steph.

× cinerella L. — Haw. 1. p. 1. 1. 3.
Sally Box Hill, Tunbridge Wells, Steyning, Sussex
8 Aug. Sussex.

— politella Dong
× subcinerea Haw? — Steph. 207. Wood 1196.
× Terrella Hub.? 197. — Cat. on grass black, hunter
Fuscolabella Fischer 1. p. 96. — intracea Steph. 20. Wood 1197.
Zelkwellella Dup. 295. 20. — cinerella Steph. 1195.
× Triabella Hub.? 28. Dup. 296. 6.
June Sally, Chat. on oak, Eddleston.
Sally June to 15th July, Eda, Lime & Holywood near Belfast.
Steph. May.
Cat. feed in seeds of the Holy hock (Alcea rosea) Drawn 28. 2. 44 & Fricken pl. 46. Steph. May
June on Lime & Sarum in Steph.

Lizzella Steph. Lime?
× Lutarea Haw 229. 10.

× Lodiceella Haw. Steph. 208 (Wood 1200) (from Lime)
Sexpunctella Zell.
Sexpunctella Haw.
Sally in cultivated in flowers of the Evening Primrose in the evening at Lewisham
June Lime & Steph. Dust of Beds, Wrotham, Dong.

Gelechia × aspera Haw — Steph. 209. subrosea Wood 1202.
Schellenbergella Hb.?
vispanella Metzner.
vulgella W.V. Wood Hub. 326.
Sallow Hawthorne Haw Forest. Hamptonham, gardens & orchards, Kew & Regent's Park. 4th Fine Week
m. Jul 5

Gelechia Haw N. × Mouffetella L.? — Hub. 36. 235. Steph. 208. Wood 1201.
Fedisaquella Hübn. non Hub.
Functifera Haw
m. Aug. Hedges Bagnor, Newbury, Lewisham.
July 24th Downs, nr. Stratford Darent in Aspens & Elms for Steph. 13th.
Cat. in Elm on Honeysuckle
June gardens & orchards round London Steph.
× nigra Haw — Steph. 20.
rusticella Steph. Cat. — Steph. 208. Lignetella Wood 1187
cultella Zell. — Dup. Steph. Stainton.
July 1st Lime & Park, Darent in Elms for trunks of white Poplars Wanstead, Dong.

Laverna Curt. B. E. 735.
× sardetella L. Kean. 5 pl. 6. f. g. 10? Hub.
Ex. 45. f. 1.? R.A.I. 7, 228. R.f. 36. 42. — B.B. 6. 101. 735. Steph. 210.
Lavertella Haw. 198.
Betulinella Coda. 11 p. 298 fig. 247. & 8 v. g. Hub. 67. 448
Cachella W.V.
Sept. common in houses
April on trunks of fruit trees in Gardens
Cat. in abundance in cellars in the corks of bottles Dr. Henderson & Mrs. Heron. In nests of Bombus Derhamellus feed on cocoons

pulverella Doug. F. & R. p. 1	May: Lewisham Ste, Kirby
	Cat: in terminal leaves, rolled up, of Stellaria uliginosa.
vinella Doug. ib 102	n: Belfast, Johnson
maculiferella Dou. & R. ib proximella Haw. non Hub.	Banks of Nightingale Valley
junctella Doug ib 103	May Bunches of Caps, Buck
× horticella Ste	
borealella Doug.	4th Jul boggy grass, Holy Lock, Argyleh, Ste.
× ~~[illegible]~~ . . Tr. E.S. 2 Ser, v. 1. p. 165.	~~[illegible] n. Manchester.~~
pauperella Zell ib 106	July, Folkestone, water, Doug.
cerealella Doug. Mat. ib 107, Zell. Isis p. 444 p. 85 f. 3 granella Zell. spirophagella Kell.	Taken by Langens, on porter
[illegible] nebulella Hb. 206 Wood 1194. non Haw fallaciella Ste subsequella Zell	2nd May, Heathfield, Wickham n. Bros. Dry sandy place, Putney heath &c 1845 Barns Common in hot sunshine, J. Grant. July
cauliginosella Zell. Tr. E.S. p. 198.	Bred by Weir. Jelly n. a wall n: Bridlington, Sui:
[illegible] Tr. E.S. p. 173 Erica Brit. W. p. 104, p. 13	Cat. on Genista tinctoria, Weir.
[illegible] Zell. Tr. Dup. [illegible] [illegible] 207, Wood 1194. tunetifera Haw [illegible] Zell. [illegible], 191.	28 June, Bred 11 July Tallows, Enniskillen wood, Doug: Larva in Tallow leaves, Doug. 1823 - Norwood; Wickham, Birches, Stai. June, Dunent & Beck p. in plenty Ste: 25th ov on palings, near Beck hoes, Grant. May Birch Willows not unusc Doug.
[illegible] Zell. Tr. E.S. p. 191.	out of Hatch, n: Bollsover, Douglas. Lewisham Heathfield May, coast of Ds of Ste. Ste.
[illegible] Tr. E.S. p. 86 f. 2. Tr. E.S. 199. corticorzeis Hump. 2. p. 154 f. 18.	5 July n: Reynsham, Sie: among stones Juniper bushes, chalky downs, beyond [illegible]
instabilella Dup. Zool. 1770.	wet marshes Essex, marsh of Thames & Dolaw
[illegible] Hub. 62, 214 & 615. Ste. 206	June Sun in [illegible] Ste.
cuneatella F. & R. Doug.	in a house in London, Bead.
acuminatella Sire. Zool. S. lxxii. Doug tiroiella Doug: Stain	July 28th Brighton Doug: bred from Larva mining leaves of Cirsium lanceolatum, by Doug.
fulliginella Sie	Jul: Durdham Down
cellerella Doug. with same as Vinella at top	Sep. Lucend n: New Brighton, Spencer & Cooke.
Senecella Zell. Tr. E.S. n.s. 1. 68	July Hung in Mahale Hyst at Street nest & Mr Wickhamow. Doug. e Jul: small patch of long grass, bank of Avon, under St Vincents Rocks.
× decertella Stes. Tr. E.S. n.s. 1, 62.	June abund: sand hills New Brighton, Cooke
— sumosella Dout. & Doug.	July n: Weymouth Perthsh. K.M.
× [illegible] Zool. Ethiops Ste. Tr. E.S. n.s. 1 16 . nigritella Zell. ib 108.	Bolsover n: Manchester, White Moss Lo. & Chat Moss on burnt places 12 May, 44 T. Doug
pseudospretella Stt	

Mundella Doug. In E.S.1.62. — June sandhills, New Brighton, Cheshire

8 ~~[illegible]~~ suffusella Doug. In E.S.n.s.1.64. — Whitlesca mere

stemgrella L. Doug
permigrella Stai. In E.S.64. — July, New Brighton, Gregson.
Larva on Sallows.

Pilicella Zell. In E.S.5,200 — Dup. pl 297 f.11 — Pebrees, in Heath-field at Wickham, Stai Aug. Mr Wickham Long

alacella Zell. In E.S.5,200 — Zw. K. — Desp. — Aug. Leatherhead & Esher: Mitcheli, out of Heath.

– galbanella Zw. K. Doug — Scott R.W. Fingrove

× variella Bent. Stephens. 4.274. Wood via 1772.11 — June in abundance on Sand amongst Heath, Bournemouth, J.C.

× Dodecella L.
Brittella Bent

cottella Hübn. — In E.S.2.8 v.1.p.19. — 23 May
e Aug: Oaks, Stai. [illegible]

fugitivella Zell. — In E.S.n.s.1.61.
figurella Staint.
Larva on Solanum Dulcamara, mining leaves, at 1st sides & coming into Stem, Stai. July blend under on Rocks, Cambrewell, not rare. In crevices of Elm bark, Aug. D. Doran

Divisella Doug. In E.S.n.s.1.60. — Whitlesca mere Doub.

inornatella Doub. ib 65 — Whitlesca mere

Garonella Zell. ib 65 — July & Aug Charlton
June 25 & July 1. flying among Saliens Brillington, Sec.

obsoletella Zw. K pl 79 f. 225, In E.S.2.25. v1 p. 20 — coast at Weymouth & Lewdown Long
E.J. v. Mosp. [illegible] Transparens

atriplicella Zw. K pl 78 f. 223. Zell. In E.S.2.23. v1 p. 21 — July Charlton sandpits
Cat on Atriplex laciniata

× ochraceella Curt. B.E. pl. 735 f — June on grass in a meadow banks of Avon, at Kingswood; banks of ditches, Isle of Dogs, over G. Robertson 15th banks of Stream, Hyde Park among Epilobium, Stai
28th among Sallows & Epilobium, Stai.
18 Jul. among rushes & flying at sunset, Oakhill Park, A. Hill

[illegible] Zell. — June Gardens, Steph.
Lacunana Dup. Stp. 2.12. — 6 July in London Dartford heath
5 Aug: Hedge, Stai.

nigricostella Zw. K. Doug — e June, Wicken Fen, Camb. E. Shep.

Brizella Zr. Z. Doug. — Southend, Grant. Larva on Statice armeria. Z.

Tortrix Cust.
Cospitalella Fab.
× Lacticella Steph. 210
gibberella Zell. Tort (39).

28 June, sides of Balham & Tooting wds Blundell 4. 9th old quarry, Blackheath
July, Down & Nat. London, Steph.

granella Hub. 24. 165 is a var of Trisecta granella.

× 19. Hadeni Haw. Steph. III. 4. 211. Wood pl. 39 f. 1211. June Darent w. w.s Steph.
Tr. E. Ent. 1863. Coast of Sussex

× domestica Haw Steph. 209 Wood 1203.
Basalticella Zell.

29 July w. Bristol, c. plm. & Mundstone, Attimore, mid. Kent, Hunb wells
June Alnwick & gardens round London. Steph
Aug. Chislehurst, East Sussex

× affinis Haw Steph. 209

affinis Wood 1205.
ilubrosella Zell.

c. Jul. Birch wood, on Elm at Putney Putney, Mr. Woolmer
June Kew & Oxford. Settles. Gardens & many places, Steph. Newman.
m. Aug. G. Mor Hon. Spring, Mickleham. Rutland.
July Sandhills, New Brighton, & Chesil Bank

× dissimilis Haw
Bassimilella Dup. 2, 77. n.
ocultitella Zell.
Listerella Wood 1190 non Haw.

b. May among short grass on Downs Cowslethe. Chislehurst
June. Hampstead heath. Gardens
m. Jul. Hamborough
20 July,
July, Downs w. Nat. w.
June gardens, not rare, Steph.

[illegible] Haw
Fuscolinella Zell. Wood 1215.

× sequax Haw Steph. 211.
apicistrigella Dup. Sup. pl. 76 f. 6 n.
6-punctella Zell.
adiguna Wood 1212.
sequana Haw

6 July m. Steph. Cop. Nicosanum 26th Juniper, Mickleham. Downs w. Bagshot
June branches of Apple & Pear trees, Lambeth, Steph.
2 Aug. Juniper
Larva in Helianthemum vulgare, Lorraine

× fuscocorella Cust. Trans. 338 Steph. 212.
decorella Zell.

June Darent & Birch w.s. Steph.
3rd Jul. to 30 Aug. Oaks, Stai.
Larva in shoots & young leaves of Melampyrum arvense, Stai.

× 26 Lepidella Cust. Ann & Mag. N.H. 5. 117 desc.
humeralis Zell

9th & 15th. New Forest. Sir C. Lyell.
Sept. Mickleham. Mr. Wood. J. E. D.

27 mitella Hub.

June Gardens Lon.

× decorella Cust. Trans. 338 Steph. 213.
cubicularella Haw. Steph.
tiedorella Haw.

22 Feb. in alder copse Dorset. 17 May 29 Apr. Fly out over w. Hawthorn, Stai.
m. May G. Wood Haw. 18 June. Darent w. Nat. rare, Mr. Dawson
Oct. in house D.
m. Aug. S. Sandwich
July on p. inverts, Carlisle, Lancashire in dried. G. G. Rudd.

× marmorea Haw. 553. Ag. & Th. 6. pl. 735. Steph. 213.
gutifera Wood 1216
Mannella Zell.

June, Nat. Birch w. New Forest, rare.
June Mr. Brighton, Gregson, and Hills, above
Chesil Bank & Cawdish warren.

× subrosea Haw Steph. 212.
incertella Hub. 307. Dup. 2, 12, 13.
luctella Steph. 212. Wood 1206. marmorea Wood 1218.

June woody places round London not uncom. New for. Devon. Tree hills Steph.
Darent & Birch ws. Steph

gutifera Haw Steph. 213

June [illegible]

× atra Haw 553, 30. Ag. & Th. 6, pl. 735. Steph. 213.
exiguella Hub.
Fuscella Dup. 293, 11.
fuliginosella Zell.

June all in woods w. London & New forest Steph. 25th June Hedge
after trees
5 July, Leaves Trees, Stai

× maculella Haw. 552. 26 maculea Steph. 214. Wood 1222.
nivella Steph. Ill. 4. 215. Wood 39. 1224.
Alnicella Dup. K.

m. Jul. flying Hammow. Gardens round London
June Darent & Coombe w. Steph. Devon & Devon.
Jul. 28th to Aug. 12 hedges, Stai
Larva in capsules of Melandrium dioicum, Stai.
10 July w. Bristol.

× Blakburnella Hub. 22, 165. ♀ & Larv.
Fraxella Hb. f.
Populella L. Dch.
scriptella Hub. 52
Blakburnella Haw
Fraxella Steph. 214. Wood 1123.

May 27th June 25th among grasses not rare, Stai

June hedges Birch w. Darent, Dartford, Dorsley, Surrey, very abund. Steph.
6 Jul.

conicella L. — F. R. L. n.s. 1. 63. Scof.² — Sussex Weir.

nigrovittella Dup. — Dup. 8. f. 7. Stt. 15

× nevella F. — Haw: nivea, 556. 32. Stt. — Wm. — 20 July, Surrey

maculella Stt. Stt. — Wood 39. 1224. — 10th Aug. out of a hedge, Lewisham 15th 16th Oaks. Stai

Ephedrella L. — gemmella L. F. S. & Cat.t. Stai says.

× Nanella W.V.

nanella Hub 39. 267. — nana var 3 Haw

pumilella W.V. — Hub. 39. 268. — 12 June Dudham Down.

sequax Stt. — Wood 1213. — 6 July. Trunks of apple trees, not uncommon round London, Stt. 18 to 22 Feling, Stai

× 5. interna Stella Hub. — Haw. — Stt. 215.

Walinella Fr. — F. E. S. n.s. 1. 60.

Sure on Linden Lime & Hawthorn, scarce Stt.

8 May to 20th among broom & furz. Bushes & hawthorn common: Stai. Grove Hampton & Bm

7 & 8th on broom, Aspenham, Tac.

July

× fuscescens Haw. 555. Stt. 216

June, on London, scarce.

fulvescens Haw. — Stt. 215. — Blackbd. Wm.

June on Horse Chestnut, Dover, scarce. Stt.

July 25th to Aug. 1st swarms in hedges & probably feeds on rotten wood; Stai.

× alternella Hub 22, 157 & 1 — Stt. 216 — Wood 1229 — nella F. — Dup. 298. n. — 6 July 23. S. on Sun. Shooters hill, Sure on Heath, Surrey, trunks of Oaks, Rev Forster

Darent & Brickwa Stt.

× angustella Hub 26, 177. Stt. 216.

allangycatar Haw. v.

macstella Hub. 23, 295.

6 July trunk of fir-tree Hampstead heath

6 May, Charlton, Plaistow, Babraham, Cambs. Stt.

6 June

quadrilineata Haw — Stt. 217.

Scophoecla Hub

Aug. on London, rare. Stt.

× vitisciella F. — Stt. 217.

Swirenscica Curt.

Decoratella Gn. Stai.

July under the cliff at Dover

6 May in an outhouse at Chelsea in abund: garden Bullesm.

Kennington Stt. Temple gardens, Surg.

× cincatella L. F. Haw 515, 4 Hb — Stt. 216. — Wood Cat.

Bicolorella Dup. 8. 8.

bifasciella F.

6 June on gooseberry gardens.

13 July Cooper, collect. Thomas Report's Park. St Lambetts, Repton, Nr. Ashford

6 Sept. Wm. on Tamarix in Stem on Sea Wall near Tom Ashley on gate bridge at Wm. Stam

Cat. on fruit trees. Stt.

1010 Lophonotus Stt 4. 218

Wood 218. pl. 39. f. 1.

× a. acuticellus Stt. — Wood 218. pl. 39. f. 1. — Dup. f. 255

bicristatus Retz.

Schaella Hub. 326. Dup. suppl. 75. 9.

Upon 28 & 29 hedges wasted.

6 July on Willows near Stt. 28 & 29th Salix fine Stai; Stt. 2 Lon. 1.

17 Oct. on out of gooseberry bushes in Dulwich Garden Stt. Wm.

Aug. Hawthorn hedge.

Larvae on other Umbelliferae & Angelica sylvestris & L. officinalis Aug. Cranford.

1011 Acra Stt. 4. 218

emarginella Don 11. pl. 392 f. 3. Stt. ib.

Same as found by Donovan.

1012 Chelaria Haw. Curt. B. 29. 308. Stt. 4. 219.

× inconvidella (Linn) Curt. 308. Wood 1230.

conspicillella Hub. 283. Dup. 299. 10.

Hubnerella Don 11, 382, 2

m.

2 Aug. on Tamarisk, Kent. in May on London in pen on Dover & Comb & Darent & on Dover Wm. Stt. Sup. Stt.

1013 Cheodara Stt. 4, 220. Curt. B. 2. 14. C. 1. when Haym. & Donovan.

× Flavella (Hub.) Wood pl. 1, f. a, 10. Stt. 220. Wood 1236

Flavea Haw. 555, 36.

Lapp. Hedwig

6 June. Comb. on London not com. Stt. bed for receptacles of Hedgehog Lapp. J. Wd

July on Brockham.

rufescens Haw 16. 37 — Stt. 221.

Cat. 16 Feb on Willows. In dry heads of Burdock Tool. 2530 fine for 4 miles

Aug. Haw forest near London v.n. Sep. 9th Charlton

June 19 Lewisham, Charlton on road side

July 28 feeding Lewisham, 8th Wickham,

Ulicetella W.V.

sicbatella Stt. Wood, 221.

fulvescens Haw 554 Stt.

July on Brockenhurst & Ripley not uncom. Stt.

June on Bristol.

schrotenella Stt 4, 221, 4.

× medella Stt. — Wood 10 f. 1240

sotenella Hub

2 July, Repton, on Stt.

1 July 42 rushes, New Town, I of W. Hadwin on Clay pit, New Forest. C. D.

inferiora [illegible] proximella [illegible]	[illegible]	[illegible] Cat Sept. [illegible]
ligulella W. F. cuictella Dale. 142. albitrigella Zell.	Fr. E. Bot. vol. 62.	28 June, at lights, Stai
albicilla Zell. alecella Wood 1225.	[illegible]	Jul 19th to Aug: 15, falings, Stai. not uncom.
lonicerella Fr. cuictella Ste.	Zell. Wood 1390.	July, Dovers, Wickham. Stai. June in Brompton Doug.
Anthy, Wheelerella Dale. strella Haw. Amiscella Bred. retabellea. Stain not Ste. tenebrella Dale.	330. Dup. Suppl. 85, 10. [illegible] Dup. Suppl. 17 334. Fr.	9th to 26 Aug Charlton, Stai: Cat on the Hyptes vulneraria
tendrosella Dale.	Zell. Fr. E. Bot. vol. 1. p. 16	June Doug July
× albimacular Haw.	Steph. Cat.	6 June in garden Hammersmith in plenty, J. Stevens.
Cinerella Dup. 298. 12. Cuchrosella Dup. 312. 10.		
subocellea St. 245. Wood 1221. nitidella Zell. tissella Fr. MS.		June Hew Forest Steph. Chatchfield, Hartlefield. 14 Jul. sunset fly among oak trees, Dahlbell Prod. J. A. Hill. June 30. St Vincent's rocks, Sic. Larva on Origanum vulgare, Doug
× dodecellas.	~~Ste 208~~ Bred	6 June Coombe w. Steph. bred from shoots of Pinus sylvestris, abund. Stain.
Cuillatacella Zell. cumulicomis Ste. 238. aspera Wood 1202 & 1199.	Pinetella Bred.	June I of Wight, Weaver. in May Cat. in young shoots of Pinus Abie.
× vulgella W. F. Dale. 50. 346. aspera Haw.	Ste. 209.	Aug: com. on falling, Stai.
felicella Fr.	id.	1st Jul Wickham Doug: Aug 2nd [illegible]
× dentaticella Fr.	Fr. E. Bot. 30 f 2. Dup. pl. 297 f 8.	6 Jun. New Kingston, very abund. in [illegible] pine barks, R. Cooke 9 Jul: swarm on Box hill, Stai: among broom, Dartford heaths, Doug. Epsom Downs.
~~vice 1035. 6 Knochella Haw. vice 2.~~ coronillella Z.	Zell.	St. Stai, hedge Zell. Wickham. Doug.
orinella Dup. 336. 12. [illegible] Marianella St.	[illegible]	
pictella Zell.	Fr. E. Bot. 1. p. 18	6 July Sir Osyth, Ster.
× gibborella Zell. Zephyrella Ste. 206.	non Hud. nor Wood	18 Jul. Sutton w. Stains. Chatham w. J. A. Hill. Hanging posts.
1010.		
Alnicella Haw. Lakefornis Haw. Ste.	[illegible]	[illegible] June Hornchurch, Bowdler
— insecurella Stai		Aug: Stratford, Doug:
× Carlinella Doug		Aug. bred from receptacles of Carlina vulgaris by J. W. D; gathered at Folkstone in Winter July
× Rhamnicella Zell. Ephyrella Doug. Zool. [illegible]		9 Jul. Buckthorn, Box hill, Stai.
× Stainton Lin. Zool. 2037.		bred from Helianthemum vulgare Dover, Bowdler Lepan.
Stephensii Stai		July 3 on Helianthemum, Hacknell Forest, Bouchard.

1009. × 5. Lucidella Ste 4, 221. 5. Wood pl 20 f. 1240.

July grass, [illegible] Newton [illegible] Ste.

falciformis Haw 555, 38? Ste. 221.

× 6. neurofstrella Zell. Dufr. Suppl. 7. 1. an M.N.H.V. 117.

hamifinitella Mietz.

July [illegible] Ste.

[illegible] Aug. Deal [illegible] Ste.

1014 Batia Ste. Cat. B. E. & C. pl. 5. 3.

Galanthia Hü. × flavifrontella Tr. Hub. 18, 126. E.B. E. fol. 8.

July [illegible] Ste.

Pangerella Don 3, 106 f. 4. E.B. E. 8. Ste. 290.

hirtella Hub. 38. 216?

[illegible] Ste.

saturatella Ste 291. E.B. E. 8.

June? Dawn [illegible] Ste.

× unifarella Hub? 25, 168; E.B. E. 8. Ste. 291.

ariefella Zell.

lucifella Dufr. 599. 7.

[illegible] Ste.

[illegible] West Wickham.

× unarcis Haw Ste. 291. Cat. B. 2. fol. 543, 8.

Lutyneella Tr.

Begrandella Dufr. Supp. 89. 8.

m. June upon palis Regent's Park; old shady palis, Chelsea.
[illegible] July, Blackheath; Battersea fields; Whipton, Devon; Hoxford, Ste.
Aug. Rule of Thames [illegible] Ste.

× Lanceolella Don. 2, 57. 1. E.B. E. 8. Ste. 291.

July Epping Forest on a Fury bush, Beckley 1789. New Ed.
[illegible]; Charlton sand-pits; Darent, Kidley, [illegible] Brighton.
July [illegible] Ste.

Aphelosetia Ste. 4, 287.

1015 Batia Ste Cat. B. E. & C. 12 pl. 523

Tichenia × marginica Haw. Ste. 291.

Bungella Don. 3. 109. 6.

m. May woods Southgate among oaks & brambles
[illegible]
June [illegible] Ste.
Sept.
June [illegible] Ste.

× juvescens Ste 289.

complanella Hub. 38. Dufr. 307. 2. T. E. S. 5, 139.

× multifenestella Steph. 289.

trifenestella Haw.

May on Oaks, ab.

[illegible] Haw [illegible]

Oecetia Ste Haw 535. Ste. 289. non Fab.

[illegible] Lewisham, Dartford heath, Brislington, S. of England on hedges.
June [illegible] Ste.
[illegible] May [illegible] hedges Lewisham, Hampstead, Sanderstead.
[illegible] Ste.
June [illegible] Ste.

× rufo-cinereus Haw 535. Ste 289.

in cop. with cerasella. Ste.

[illegible] grassy banks & grass in gravel pits Wrentham
[illegible] May [illegible] Wrentham
27 [illegible] 46 ab. flying before sunset by which time [illegible] in Wilshire meadow
Pupa in a web on stem of common Dock in March, Long.
June at London, rare
30 May [illegible] Ste.

× floslactis Haw 535 f. Ste 289.

Fuciformis Haw. Ste. 289

25 July off Fury bushes, Downs, [illegible] West. nest.
June [illegible] Ste.

distichella Zell. Stai 27. 23

immaculella Don. [illegible] Ste.

fumatella Don. 6

Aug. [illegible] Long.
New Brighton & Devon

× [illegible]

b. Sept. 50 on flowers Centaur, d. B. & Z. B.
July Aug. bred fr. seed heads of Inula dysenterica, Doug.: 29th sunset, grassy bank

× 7 [illegible]
[illegible]
fuscifumis [illegible]
Walsingham Doug.

18 [illegible] Aug. 16th among fern, Glendon, Lincoln
a. Brown a. Lucas, Sutton.

× pseudo-spretella (Stainton 12. 24. Acrophana)

Aug. 3rd [illegible] cause in house: Stainton
Aug. [illegible]
3 Oct. 50, in water closet, very fine, resting like an Anacampsis. Aug. 12, 50
c. May & wom. Clinton

metrengrillella Doug: T. E. S. n.s. [illegible]
fauces-punctella Frey: it is not
sitacca Zeller
falciformis Mn. Wood 1241

bed fr. Burdock heads collected at Rochstone in Dec. Stai:
9 July, Berkhill
9 Aug: Charlton, out of Brown, Stai.

inhulentella Z. Z. E. S. 1. 2 Ser. p. 15.

Ann. Lonc: Sarney, Stai
22 July on Nepeta nepetella, Bagnor bush w. Bristol, a. Hill.

anitella Hub. [illegible]
fusco-anella Haw.

July 25th [illegible]
c. Aug: Lewisham, Stainton: cause on hawthorne hedges.

subaquilea Zell: Stain 16. 19.

Lonc. [illegible] January, heather, pinewood at Wood Lend.

× formosella (Carcina) Hub. Tin: 248. [illegible] 30.
venustella Zell.

c. Sut. Stainton & Lowe, best of Oaks, G. Robertson.

? Carcina Zell

vaporariella Stai. 56. 1.

11th Aug. Berkhill
20th Lincoln. Brown, Charlton, Stai.

Lampronia rubiella Zell. 332.
fulvoretella Bent

Stai T. E. S. 5, 139.

Aug. [illegible] Brown, Charlton, near Stai
9 to 20th Aug

? luteoroseella Stai 35. 1.

May, among grass Stain. 12 & 13th hawthorne, Stai.

statonella Stain: ind. 2. 65.

[illegible] Dulcham Downs, Lincoln.

× Rhynchoroseella Stain. ind. 2. 65.

Aug, resting on Rhynchospora, in boggy ground, top of a hill, Kilnum, Hamilton, [illegible] of Bristol. [illegible] boggy ground top of hill above Mum Rise, Sandy, J. C.

× cerusella Hub. 37. 183. Haw

31 May. Ashton bog, w. Park, Stai.

× Collitella Dup. Sup. 77. 9.
subcellea Mn. 290

31 Aug. brook Lewisham.

6 to 8 July Wickham, Stai.
Lonc: Ripley, Stef.
Larva case bearers on Origanum vulgare, Doug.

cincellea Stai

May, Hayley, Surrey 28. 29, 1 & Wickham: Doug:

× Inulella Curt. Ann. & Mag. N. H. 5. 11. 1. 1853 Feb. 1850
inopella T. E. S. n.s. 1. 66.

28 Aug. 28 bred 2 from flowers of Inula dysenterica, n. Ryde I. W. & Doug: Folkstone
20 Jul. sunset, long grass, I. W. Wilt

bifractella Mann. T. E. S. 1. 66

July & Aug bred fr. seed heads of Inula dysenterica Folkstone, Doug.

bittorella Doug. T. E. S. n.s. 1. 67.

× semiatrella Ab. & 188.

Sum, Dove.
6. July Jas. Whitlesea.
June, Ripley.

× Cymbrenella Hub. Haw 536 Stt 288. Dup. 293. 1.
cymbella Tr. 297

c. Sun among st Nettles going towards arthur's Seat
[illegible]

Shorton Hell. crepuscularia aurivella ~~Haw~~ Hb. Tell. Stt. 11 C. f. 1. Dup. Ent. 7 B.
288. Wood 1. 95

June, Hawthorn wood, Hunts. Hayley, Bouch.
Jul. sunset, grove, Whitebourne, Sc. Hill 2nd & 3rd. Brisling. Lin.

1010 Sinuetaria Haw
Stt. 288 Zool. 7. 2436, economy
× lencaphemera Hub. Haw 535. not of Stt.
30. 205.
Ent. Ph. 2. 687. Stray Gen.
VIXXIII

Colchester
grassy banks
[illegible]

corpulentilla Zell.

Cat on heads of Nettles

× avicosta Haw 535 Ent. 6. 2. pl. 687, p. Stt. 286.
interrupella Hübn
[illegible]

6. Jul. Caunt. [illegible] Stt.
in June, Sallow on Willow & Brambles. 10th nettles & grass. Nunnery 1847

× tineola Haw 534
carnicephemella Zell.
Stt. 286
congraminella

[illegible] Stt. rough ground among Nettles Nunnery 1847
June grassy banks & Heaths: Shirley Com: [illegible] & Darent
[illegible] Hawthorn Lavender & Frequents Shirley [illegible]

× cryptothemella Hub 30, 206. not of Wood.
[illegible]

2 Jun Found case on a wall w. Nettlesike
5 Jul. bred 1.
[illegible]
Larva in a grey case on roses [illegible]

Gallithemella Hub 30, 202 not of Stt. [illegible]
gallipennis Haw 534
Dup. 5 Stt. [illegible]

grassy banks

Cat. a Snail [illegible] & Artemisia [illegible].

× [illegible] Haw 533 Stt. 286 [illegible]
osteosacteus [illegible]
aromathemella God. 70. 3
[illegible] Zell.

June [illegible] Stt. [illegible]
7 & 29 Jul. 35 Hay. [illegible], Dudham Downs, on grass slopes to Rom. P.D.
6 Jun. on Dudham Downs [illegible]

× ornatifrontella Hub 30, 1995 Dup. [illegible]
ornatella Haw 534
Lavella

7 June [illegible] Stt. [illegible]
June on London [illegible] Darent & Birch [illegible] 29th Jun [illegible]
[illegible] Jun [illegible] grassy leaves side of big bush.
[illegible]

× Pruthionthemella Hub f 36, 209.
Inornella Zell

Jun. Darent [illegible] Dover, Lyndhurst

[illegible] Hübn. × ottelithemella Haw 65, 433 not Wood. 1
cohnella Birch.

[illegible]
Jun. [illegible] Darent [illegible]
[illegible] July Dover

Pseudoptilia Hü. × Anserifrontella Hub f 26. 519. Stt. 285.

[illegible] Lyndhurst

Aspis H. & H. × Anaxifrontella Hub. Haw 534. Stt. 285.
fonetella [illegible]
Aldipennella Stt. 285.

m. Jun. Shooters hill, Old shady [illegible]
c. Jul. Birch on Darent & [illegible] Tree for. Mid. Tuple willow on
3 June bred of some black Cases on Cherry leaves from Dr. Pel. Leand Garden
Cat on beech. Hilsch Hom.

1017 Sanofinita Curt. [illegible]

Metallorctia Stt. 285. Zool. 1XXIII.

× Prioli Curt. B. & 361. 5.
Brischella Lin. Ent. S. 1396. 1. 6. D. [illegible]
alsymipennella Nott

29 June 3 & 4 on Melica officinalis flowers, face of cliff [illegible]
[illegible] July in profusion in the flower pot Clairmonte J. C. D. especially before
1851
Cat: bicoin a portable case: P. Bow.

× Spiroicornis Haw. 537, 23. S. B. E. 1. 391. Stt. 287. [illegible]
Mayella Zell? Hub: 3225

in Jul. in Mean hanger: C. D. Bus. Wellesmere
[illegible]
Aug. meadows, Southgate. Charlton, Kent: J. Stev.
June, Harrietsham & Ripley.
June Tunbridge Wells, Wee: 2nd 12. Sharpe Gate, Langport S. C.
July plentiful in flowers of Trefoil. Ripley & Hertford. Stt.

[illegible]
[illegible] Stt. 284.

Beullia Stev.

[illegible] Zoi.
Cephoella Th.

Sept. on L. Martium Br.
Brighton, Sussex

[illegible] Fr. Duf. 307. J. S. E. S. 5. 124.

30 June, on broom, Dartford heath. Stai.

[illegible] argentula Stef. Sk. 4. 287, 11

June Coombe & Darent woods Nr. London, Sk.

× [illegible] lutarea Haw. 537, 20.
Ballotella Fisch. pl. 58
[illegible] Stef. [illegible]

14 & 20 July, 52 woods, Dunkeswells.

Larva in crevices on dwarf leaves of Sloe & Blackthorn, Stai.

Gallifamella Sk. 286.

Coombe & Darent woods, Hartford & Ripley, Stef.
26 June grassy verge of Wood, sofore at summit, Allmundstoi.

[illegible] hemerobiella Scop.

Fischer pl. 69.
Sc. Wien. Gai. Verz. 51 pl. 357

in July, Crotendo

3 & 4 June Larva in cups on Pear trees, Chiswick, S. & E. May
Pupae on the trees

May, [illegible] on [illegible] Sand [illegible] published S. W. D. Entomol. 305.

[illegible] Fr.
Shultziofamella Stef. 285.

June, New Forest, Dorset & Devon, Stef.

[illegible] Fisch. Linnei Cat.

22, 27 June Cliffs, Bournemouth

Ephesta.

× [illegible] vibicella Hub. Tei. pl. 25 f. 338 Zell. Isis 1847.
vibicifamella Fr. Duf. 310. 1.

6 July, Bilberries bred them from larvae in black cases, June 1 [illegible] moths in June in rank grass, Hoddesdon, Herts, on the leaves with the cocoons, exposed by the [illegible]

Weight. they roll themselves up like an Oak.

Coleophora alcyonipennella Kol.

Duf. 8. 552. pl. 307. f. 12.

May, flowers of Ranunculi, moist places in Germany
June 28, Brislington, Sire.

1725 × Brevicornis Dale
[illegible] Zell.
Fischella Linn. Cat. Teste J. C. D. from Tree.

5 July on a wall, Newmarket. J. C.

Lophopteryx Steph 2. 26. – Philodontis Hüb:

camelina & capucina L. Don. 6. 183. Esp. — e Apl. Oaks in Woods. Kensington Gardens. Hampstead Heath
e May
e Aug.
Cat. in May. e. Sept. Oak. Birch. Willows, Poplars, Alder, Beech & Lime

cucullina Esp: Don: 10. 338. 1
cucullina W.V.: — Sime Darent W. (1820, J.S.S.).
e. Jul. Oaks n. Erith Kent

carmelita Esp. Ochs: Steph. pl. 2. f. 3.
capucina Hub: 522. — Cat. Aug. Crataegus terminalis & Maple
6. Mar. Birch wood. Standish. Wolverhampton & Leamington.
[illegible] Lonsdale, Old Birches on Lund & Moss. Ireland.
e May a hair on Rings of Birch bus Superbrook [illegible] & S.S. Milnthorpe.
Cat. Hub. Birch

Philodontis & Philodon Hüb – Pterostoma Germ, 1 & 2.

palpina L. Steph 1. 2. – Salicis Germ: — e May Poplars & Willows in Hedges. [illegible]
e June Cornl, Birch & Darent W:
e Aug
e Sept.
Cat. e May. Sept. Poplars, Willows & Lime. Cat. Hub:

Philophora Steph. 2. 29.

variegata Vill. – Chenigera Esp: F. Hüb: Ochs: 3. p. 12. & Steph. Ill. [illegible] — e Oct. Bred by Mr Stand. the imm. a year common Cat. Cat. Nov. found at Darent W. [illegible]

Sigmina Hub: Cat. — Cat. Hub: e May. Maple Willows & Birch

802 Chaonia Steph: 2. 29. – Dimorpha Hüb: Notodonta Ochs: 3. 80. Bombyx Haw 102.
Cat. D. & H. 755
Robozis F. Don: 9. 299 ♀ & Haw:
chaona Hub: Ochs: — Other in June Oak Kent, Wolland, Dorset & Devon
Sime Colney hatch, Cornl. Birch & Darent W. [illegible]
Suff. Devon. Sandwich. Barham. [illegible] Esq. 1822 Bradley Hailey
3. May in Worcester, [illegible] Oak hedge Cornwall, Stirling on 15th 20th 1822 Bradley Hailey
Cat. Hub: on. Sept. Oak, Birch & Nut. e. June 1. 6.

Dodonæa Hüb. Haw: 102. 34. – Trimacula Bork: Don 9. 352. 2. ♀
Steph 2. – Cucullina Haw var
Cat. D. & H. 755
hipartita Bork.

May. Cornl. Birch & Darent W. [illegible]
Sime. [illegible] Kent. [illegible]
Cat. Aug. Oak.
Hub:

Petasia Steph. 2. 31. Dylina Ochs:

Cassinea F. Don 12. 367. 23. Goda pl. 112
Bombyx Sphinx Esp:

Asteroscopus Boisd.

m May. Cornl & Darent W. [illegible] Kent
m Sept. New Forest n. Lymington. Devon. Sandi.
e. Oct. on Oaks & trunk of Trees
Nov. Gas lamps Clapham Com.
Cat. Hub. Lime, Willows. Oak, Birch, Privet.

Peridea Steph 2. 32. Notodonta Ochs: Germ: 2. 37. Philodontis Hüb

serrata Ramb: Steph. – Nefida Esp. F. Hüb Haw Don. 10. 359.
Fermula Hub: Trifolpha Haw. Don. 10. 359.
Steph 2. 6.

11th May, a Lambert Pumps of Oaks. Richmond Park. Cornl. Birch & Darent
e Jul n. Dorking & Devon. Hb.
e. Aug
Cat. Sept. Oak & Willow. 10th July. Aug; Sallows 16.

Endromis Ochs: Germ: 245. – Dimorpha Hüb.
versicolor L. Don: 8. 158. Trans. Soc. 2. 323 pl 85 f. Flava.
Cat. B. & H. [illegible]
Hub: 3. 849 [illegible]

m. Oct. Trunks & Trees of lipping in & afternoon in Cornl & Darent W. n. Plymouth & n. Teignmouth, Devon Trees [illegible]
Eggs laid in a double row round an alder twig [illegible]
Cat. Aug. on Birch, alder, vent, Beech, Lime. 38 Ron on alder leaf
hay, 12 together on leaf. [illegible] Birch & Lime & [illegible]

Saturnia Hbn Hübn Germ – Gen. 2. Steph. 2. 9. Bombyx Fab. Lab. Haw 152.

Pavonia L. Don. 11. B. – 8. 255 ♀ Steph.
Rami pl. 25 f. 2. – d. pavonia minor L.
Carpini Bork. W.V.

[illegible] Hawthorn & apple tree
Birch. Heather. Brambles, Ogier Hedge & Sallows in Woods
m May.
e. June
Cat. Aug. Birch, Heath, bramble, Oak, alder, cone, elder.
m. [illegible] Hawthorn, [illegible] Willow, Hawthorn &c
Pupa remains for 3 or 4 years W. Mark

1018 Butalis Ochs. — Astygaga Ste. i. 279.

× 1 flavicaput Haw 536 Ste. 282. — June woody places w. London, Ste. 9th Hampstead hedge, Sheffield, Stai. m.e. May, Ealing, Paddington. b June, hedges Kensington; Kentish b Jul. White-thorn hedges Battersea fields. 3 May hedges Mullen's Spa.

× 2 coracipennellaei nigrucella Ste. 281. — June Dorset w. rail. [illegible], Ste. grassy dikes, side of copse, common.

× 3 obscurella Haw? — [illegible] June Lake at [illegible] Barnes. F. H. Newman, Stam. T. Hewitt. [illegible]

× 4 ochroleuccella Ste 281. — [illegible] Donnet & Hilley, Ste.

cuspa Haw. Ste. 281. occultella Dong. [illegible]. — June [illegible]

× 6 obscurella F.? Haw 536 Ste. 281. — 15 June grassy banks [illegible] Donnet. Newford, Ripley, Ste.

7 coracipennella Fuch. coracipennis Haw: 536.. Ste. 280. — June grassy banks [illegible] Ste. June, Cheesen, Hampton. Cat. [illegible] Valdeno, Stam. June [illegible] Ladon, Ripley, Ste. [illegible]

× 8 serratella L.? coracipennis Haw 5 Ste. 280.

× 9 cajeinurella F. Haw 529. Ste. 280. Tritella Hub. 39, 218. chamiodiella Hub 46, 500. — June Gardens. Harrietsham, among Poplars w. London, Devon, Norf.

× 10 Pieopennis Haw 536 var. of Ermine cuticella. Ste. 280. — June Norf. & w. London [illegible] Ste.

× 11 grandipennis Haw 536. Ste. 279. — among Burg-bushes Waring, Sussex. June New Forest & London, o.r. Ste. 20th in fing-bushes in [illegible]. 20 May Plymouth Fuy, Buckham Downs, Vaughan.

10. 9 Harpagus Ste. 279.

× albistriscella Ste. 279. — [illegible] Bailand Meadow & Lulworth Cove. June w. London, o.r. Ste.

× cinctella L. Ste. 278. — 6 June New Forest. 20th in grass, Lymington, Ripley, at willows. 18 Jul. in old thistle in chalky pasture, Boscombe [illegible] & Chalky, Ste. [illegible]. 12 May in Bristol.

1020 Nehmia Ochs. Callisto Ste. i. 270.

× tauriscella (Hub?) subdulella Stam. — 2 Jul. Charmouth. Aug. Parley Copse, on Willows, Ste. June Barnetsham. 13th road Tree, Newton, Devon, Stai.

× fuscoviridella Haw 569. Ste. 270. albicostella Dup. 302, 3. — m. May. Combe Ste. 10th Dutton, 16th in 12th Farm, 30th field w. Upnt. common. 6 June among at grass on down w. Slaughter. July at Oakham heath, w. Ripley & on common, Ste. May in woods, Wickham, Dorset.

fuscocuprella Haw ii Ste. 277. Exiliella Z.? — June, on heath, Hertford. Ste. o.r.

Patricella Stai 25. 15. — among Alders, Mt Weir.

" [illegible] Hub. [illegible] — 4 May flyd in swarms round Larches, Mt Wickham w. & Michleham garden Lewisham.

Gelleria Stain:

× 1 heparicella Stain: Stai 22. 1. — Oct. bat on Larches, Stai:
my Guillaume [illegible] Jamesella. 1838. — 19 Oct. Grange wood & Gl. Wood. S.E.D. hedges & woody places round London, Stf.

2 insignipennella Stain 22. 2. — [illegible] Bedell. Coates:

3 Fuciscornella Zeller. Stai 22. 3. — Stf. among heather, Mt Lorne.

× 7b tenebrosella Fischer. Ill. 6. 1. 1. p. 16 — June, Kipling Stf.

× 7c tenebrosella Hub: 65, 432. 2c — ib.

modestella Dup. 2. 9. 8. 9 11 p. 8 vf. — 14 to 27 May, common frequented oaks, Stai: Whitethorns, Sec:
[illegible] Ste. 4. 81 non Tr.

inspersella Hub. 66. 443. — 1 June in abundance in the wood among or beside Bracken. nbl.
variella Ste.

incongruella Stain 15, 34. — Mr Moon in Halifax. Ill.

× fuscoviridella Stai — Stai 25. 18. not of Zell. — Secon.
[illegible] ~~[illegible]~~
[illegible] Zell — [illegible] — Brewiani Dale — June nr. Brighton Devon S. Stev.
metallella Ste 4. 273. — Rudleys Cab.
nivipunctella Stai ib.

× verticella Scop:

× atrella Haw

× [illegible] Hub. — June, mountains of Lengo Cross Banks, Rev. Les. Detail Hills
[illegible]

× Eyesella L. Haw 531. [illegible]
Tigulella Haw. 11, 382, 1
[illegible] Hub. [illegible]
[illegible] Haw 531. [illegible]
Mariandella Hub. — Summer, amongst mosses, June [illegible] Bradenham
June Shalover
July Wood

E. May Woods, nr. Bristol,
[illegible]

1021 Pancalia Curt. B. E. 304. Stef. 4, [illegible]

× Mariandella L. Haw. 531. 11. Stef. 70
micella Hub. 31, 210. — June, Hampstead [illegible]
June, amongst heath, Rev. Lowe. Parent Mr.
Wells, heath Worlington, Suff.

× [illegible] Haw 537. 22. [illegible] Stef. 70
[illegible] Stef.
July, grass on Downs, Micklebrow, Kent
[illegible] Reginore [illegible] Chichester, Sussex

× [illegible] Haw 537. 21. [illegible] Stef. 70
June nr. Bristol, Lucas. Parent [illegible] Bordeaux. [illegible]
June [illegible] Warfield Mus.
[illegible] Rev. Dowe nr. Lulworth [illegible] Micklebrow [illegible]
30 Mar. [illegible] Conway.

Chrysastria Hub × Lanuginosella L. F. F. 1500. Haw. 537. [illegible]
Elm Hill. [illegible] 300 ♀
June, nr. Bristol, Dale. June [illegible] Micklebrow. Dasent [illegible] Stef.
[illegible] amongst grass [illegible] where [illegible] Douglas [illegible]
[illegible] amongst [illegible] Stephens [illegible]
July, Barham Kent.

Lapeirella B. E. fol. 304. [illegible]
18 June [illegible] Micklebrow. [illegible] Douglas
June 18 [illegible] Micklebrow [illegible]

[illegible] Curt. B. E. [illegible]
[illegible] June, 1879. Kersall moor nr. Manchester, R. [illegible] in company
one taken there by Mr. [illegible] a drunken fellow of whom Carter
got it [illegible] in the Manchester Museum.

1022 Epiphitrigia Curt. B. E. 152. Stef. 2. 271.
metallella Hub. [illegible]
[illegible] June nr. [illegible] Conway
June, Harnistham
July, Ripley, Surr.

Comostrepha × eximia Haw 532. [illegible]
Zieglerella Hub. 306.
[illegible]
[illegible] most Lanes [illegible]
July [illegible] Hub. [illegible] Rev. [illegible]
June, Harnistham, [illegible]

bimaculella Haw [illegible] Stainton. — [illegible]

‡ [illegible] L. Syst. 5, 175. Hub. 20. 136.
grandis Dew. (Lancelin, Entom. [illegible])
May, [illegible] June, [illegible] Rowley, East. [illegible] Dew.
Aug. Stoke Newington, Sergeant. [illegible] Beech.
17 June, Alkerton Road.

Zinckeella Hub. 101, 1160. Stef. 3. 272. [illegible]
× Hermannella F. [illegible] Hub. 33[illegible]
Chrysella Tr. Ann. [illegible] 272. [illegible]
May, under a wall, the Clove, [illegible] Rowley, [illegible]
June, Devon, Stef.
[illegible]

‡ Roesella L. F. F. 1406 Clerck 4. 12, f. 13. Dell. 1, 4. 30, f. 10, 12. Ill. 272. on Sal. Parent [illegible] Dewar, on Ash, Allis & Brit. Mus.

× Limacella L. F. F. 1408 Curt. B. E. 152. Clerck 4. 12 f. 8
[illegible] Stef. [illegible]
June [illegible] Clerck [illegible]
Cat feeds on apple leaves, eat to skins
July trunks of Lime trees Chelsea Chas. Fox, [illegible] Lanes Park [illegible]
23 Aug. abundant [illegible] in College green Bristol. J. B.

[illegible] Stef.
Schrankella Hub. Tr.

bred from 1 of Epiphitrigia, Rev. Fres. J. Scott

[illegible]	senescens Hue; N. & S. v. 1. p. 22.	June Micklethwaite, Doug
	solanella ~~Tott.~~ Stain: 3. 30.	nr. Lancaster Stain.

[illegible]

tenuirella Hub 434? Tr. Zell	June, not rare Doug.
subcuprella 273. Stt	[illegible] Janet
metallella Stan	
unicolorella Z. v	
Stathmopoda Zell. Stain 3. 227.	
pedinella Linn	July, Alder nr. Branson
pumilella " [illegible]	1838. Damp. w. at Lound, nr. L. Yarm. on Holly. Paget.
angustipennella Hub.	
× aurogutella Steph. 273. Wood pl 44. f. 1378	June, umbelliferous flowers, Barnton. Stt.
miscella Stain.?	
× H. variella Stt. 275 Wood pl 44 f. 1379.	[illegible] "42. on the S. Mole abundant S.E.
	26th hundreds hopping abt Sandy & Cheadle, places on Cliff Bourne & selling on flowers of Lavione & Viburnum?

1223 Microcitrus Sk. 4. 268.

Antipsila Sub.	Chiffonella Sub	Sp. Gaz. to Sk. Sub. 270.	26th Apr. Ry Wilton, sunshine, hedges & meadows, Almondbury. 5th May Sandwich, Stock. 28th May hedges, Stai. 7 May, hedge, Cobham, in abund. 2 Graveley wood, end, Dartford, rare. 12 June Isle of Portland on black thorn & grass.
×	Chiffonella Auct.	Sow.	2 June Mickleham, Surrey, under stones, Darent, rare, 2, 4th, 28th Mickleham. 6th July off Hazel, Bordeau hanger, 6, 8, 6th, 11th Mickleham downs, not common.
	[illegible] Sk. 270. Sub. Sub.		June Darent, rare, Sk.
Sk.	× [illegible] Sow. Sk. 270. not [illegible]		28 Apr. Gatcombe of Bristol, Gilbert. 2 May Bromley, [illegible], 1 June 8th, 9th, abundant, Gatcombe [illegible] Lakes, Hampstead & Lewisham.
	[illegible] Sow.	Sk. 269.	19 May, Bristol. June Ladbroke, Wickley.
Sphinxia			
×	[illegible] Sow.	[illegible] Sk. 269.	2 May [illegible] 15th, 24th Lewisham. June [illegible]
	[illegible] Sow.	[illegible] Sk. 269. [illegible]	28 Oct. Ent. in house leaves, [illegible] Bromley. Pelham, Hedmanham.
	[illegible]		[illegible] June & September, rare, 2 May hedges, Stai.
	[illegible]		2 June, [illegible] Lawn, Sk. in [illegible] by Wilton, [illegible]
×	[illegible] Sow.	Sk. 29. 2. Sk. 268	[illegible] leaves. [illegible]
	[illegible] Sk. 268.		29 June, Hedge, Stafford. 6 July [illegible] Bordeau. 2 May hedge, [illegible] Sk. [illegible]
	[illegible] Sow.	Sk. 269.	June [illegible] Ladbroke, Sk.
×	[illegible] Sow.	Sk. 268	June, Hamstead. July, [illegible] Ladbroke, Sk.
	Sub [illegible] Sub		
Antipsila Sub	[illegible]	Sow. Sk. 268.	23 May Dunstable. 10 May, Dorset, Sale's Garden on white thorn hedges. 28th Bristol. 2 May hedge, Sandwich. 28 Spalding.
×	[illegible] Sub	250.	June, Hamstead, Gardens [illegible] Ladbroke, Sk. not common. 26 July, Hackney.
	[illegible] Sow.	Sk. 268	June Ladbroke, Wickley, [illegible] Sk.
	[illegible] Sow.	Sk. 269	June, Hamstead, Darent, [illegible]
×	[illegible]	Sk. 269	July [illegible]
×	[illegible] Sow.	Sk. 269	June, banks of Ducks [illegible]
	[illegible] Sow.	583, 82. (Sk. 267 not Haw.; a patch on [illegible] Ent. 7. 8. 1. 5. 136.	May, banks of Poplars, [illegible]
			July, [illegible] Sk.
×	[illegible] Sub.	280. Stai. 20. 2. Sk. 266	June, bushy & woody places, Darenth. Sk. 23 & 28 May, Hunstanton, Gl. Wood. 2 May to 16 Sept.
	Gallia Sk. 266.		June, Scott.

× magnificella Zell. Stai. 26, 34.

× regificella Sta: Zool. (29) p. x/11. (50) 2933.

28 July, Brislington, Sircom
13 Aug. " 12 & 20th "

[illegible] 2 June o, abundant among rushes, Latham moor & Brislington Stai.

Ⓒ Stannoella F.V.R. 248. 7, 8. Lens. pr. 6.

2 May Crambe m. n. & [illegible] Doug

subdentella Stai 20. 5.

May, Downs n. Croydon.

metallicella F.V.R. pl 8 & 12.

June 23 Wickham, Oaks; 5th Nutbush n. Birlow: Stai: Brislington, Sircom

minutella Hint. Zool. 50 2932

June, grassy slopes, Durdham Down, Sirc:

quinquella Hb. Zool. 50 2930

June, Bakenham fence: trunks of oaks, Wickham, Doug.

[illegible] Stai. 9. 6
[illegible]

21 May hedges. Bred from Hazel leaf by Doug:
5 June oaks? Inwood. Stai.

gratiosella Dup. Lep. 72. 4.

Apr. hawthorns, Hy Gi rare. Lime tree twigs.
May 5th hawthorn: 25th Lewisham. Stai; Barrett, Doug:

centifoliella Zell.
[illegible]

[illegible]
[illegible] hedges. Stai

angustiaurella Stai 29. 8.
[illegible]

9 June, hofmers, moors n. Woodhead, abund. Stai.

[illegible] Sta. [illegible]

[illegible] Zell. [illegible]

[illegible] Lewisham, Doug

[illegible] among Sallows, n. Brislington.

× pulchella Haw. St. 261 Haw. 20.28. June, Mickleham. [illegible] Brown, Richmond [illegible]

[illegible] Haw. St. [illegible] June, [illegible]

× [illegible] [illegible]
[illegible] June, [illegible] Mickleham [illegible]
[illegible] May, Dorset [illegible]

× [illegible] Zell. St. 265 June [illegible] Dartford heath [illegible]
[illegible]

Denisia Hub. × [illegible] Hub. St. 265 [illegible] among grass, [illegible] hangers.
June, [illegible]

[illegible] lunetella Haw. St. 265 Haw. [illegible] May, Dorset [illegible]
[illegible] Jul. Mickleham [illegible]

× [illegible] St. 265 June, Mickleham
[illegible] May, [illegible]

[illegible]tella St. 264 June [illegible]

× [illegible] Haw. St. 264 June, Mickleham [illegible]

1024. [illegible] St. 4. 261. [illegible] Hub. [illegible]
× Haworthella St. M.L. 262 pl. 39. f. 2. June [illegible] Kennington [illegible]
[illegible] May [illegible]

× [illegible]ella (Hub.) St. 262. 6 Aug. [illegible] Grove
[illegible] May [illegible]
[illegible] Haw. [illegible]

× [illegible] Haw. [illegible] May 25 to 13 July [illegible] Dartford heath, [illegible]
[illegible] June grassy downs [illegible] on the [illegible]
[illegible] May, [illegible] Dorset, [illegible] Dover [illegible]

1025 [illegible] Hub. [illegible] Lyonetia Hub. [illegible] Stain. [illegible]
× [illegible]
[illegible]
[illegible]ella St. M. 260 var. Wood f. 333 [illegible] June [illegible] Mickleham [illegible]
semiannulella St. M. L. 260. var. Wood f. 334 [illegible] Aug. [illegible] Lewisham, Ealing [illegible]
[illegible]ella Zell. 92. var [illegible] Dup. Suppl. 4. 309 f. 7 [illegible] Mickleham, Dorg.
[illegible] elm leaves.
malifoliella Hub.?

[illegible] × [illegible]foliella Hub. 49. 335. St. 4. 260. Wood f. 1336. 10.7.52 [illegible] on broom, [illegible]
[illegible] Haw. [illegible] [illegible] Jul. Gregrauchie W. Dunkeld, [illegible]
Dup. 11. 5[illegible] pl. 307 f. 8. Zell. pl. 2 f. 37. [illegible] f. 27. [illegible]
June [illegible] Charlton.
[illegible] May [illegible] in Broom fields.
[illegible] leaves, [illegible] brown bark. Zeller [illegible]
[illegible] Zell. Saligna Zell. [illegible] 22. [illegible] 28. [illegible]
[illegible]ella Wood f. 1335.
Cerasifoliella Hub. 190

Bedellella Lin: Zool. 203 f. Stai 26. 29.

Heribia
4 simplicella Ste 263. Wood 43. 1341 — c. Margin plenty at Hertford & Combe. Steb. 6 June

? cognatella Ste 1. Wood 43, 3u? — June, Barnet m. Steb.

Mineoulella Stai. 25. 25. — 27 May, hedges, Stai 20. & 25 June, T.

Oikeman Ent. 1. 1. — June, boggy place, top of hill at Kelmuir.

Trapezicella Stai 26. 26. — June. Wickham-w: unique. B.M.

1223b. Swammerdamia
aurimaculella Stai 28. 1. — June. Ice m. 17th hedges. 8th sunset m. Carey reserve, Dev, bor: pastures, Wimbledon 19 Aug: hedges

citrella Zell. 207. Stai 28. 2. — m. June, Dorwood. 13th fly Dr: white-thorn & alder, roadside, Claudleigh, Stai. Designed

setiella Mann. Stai. 28. 4. — Aug. Rumney m. Oaks, Stai 22 hedges Stai

Diphoenustemella Dup. 308. 4. Tilia Dales Mss — 20 June, Oaks m: Woodland, J. A. Hill. 20 May 45 m. Leigh-w, Bristol, J. E. T.

argentifimbriella Mn: Zool. f. 39. — Feb m. Lim, Prof. Walker, mad Lim.

July off Genista tinctoria, Tunbridge wells. Aug:

ovidella Dong: Zool. f. 38. — July, Eg. m. m, Sandown Chandler cand. fir.

Loganella Stai: Zool. f. 37. — 5 July off Hazel, Luss, Dumbartonsh.

Alnicella Mann. J. E. S. 5. 126.
Viscaniella Stai Zool. f. 36. f. 2162.
cucullipennella Haw 5 579.
nufipunctella Wood, f. 1331. Ste.

Padifoliella Haigut Nat. f. 310. Zell. Isis. Zool. f. 50
Acerfoliella Ent. Ann. Mell. H. 5. 118. Dup. 6 f. 2160.

Mray, Rickmansw: remarkm. 26th Oaks not scarce, Stai 20 June 12 to 27 Aug.

Oct: fly out of Maples after Rain, Wilbitt Bury, Lond: T. Dev. 3rd & many. Sept 7th Whitchurch.

Rhamnifoliella Tisch: Dup. 11. 522. pl. 307 f. 11. Zool. f. 33. 2160

Frangulella Goeze Jolg:

July on Buckthorn, Sundersted. 8th & Micklebrm Stai May & June. 28 May & Elm & Alnus (Dobb)

Bucculatrix Nan 5. f. 67. non Ribb. Ste. 4. 258. Wood f. 1325.
Boyerella Dupont. 5. 5. pl. 309 f. 3. Zool. f. 34.
albedinella Zell. Dup. Sup. 4. 34. pl. 78. f. 10.

Feb. Bat: pupæ: at foot on underside of leaves of Rhamnus, Fisch. 2. 3. 5. 6. f. 1. on 15 June, hedges, Stai. 20th off elms m: Pattenbury, J. A. Hill.

Crataegifoliella Zell. Zool. f. 35. Dup. Sup. 4. 33. pl. 78. f. 8.
cucullipennella Haw 579.
Crataegi Zell:

May 1, Redlas: m. Hawthorn & elm, by Pinmond. 23 May to hedges 21 June 27th Oct. Hatfield.

c. Rosella Zell. [illegible]
unifumetella Ste 260.

c. May Coombe w. Step.
b. June, 2nd Lowth. Pt. Lewisham. Stai.
July, Lambay, Ireland [illegible]

Opostage NN × 5. Acrocheilus Haw. Ste. [illegible] Nat. f. 103. Zool. f. 26.
Sciella Metzner. Zell. Isis
Gand. Chron. f. 261.

[illegible] Haw. Ste 259.

1st nivicomella [illegible] Ste 1 [illegible] f. 13 f. 9 [illegible] Ste. 1-15

× [illegible] Ste 259.

occultella Dong: Zool. 8. 2806.

[illegible] Kalb 28, 195. Dufrene. f. 308 f. [illegible] Zool. f. 19.
Unidentat. Zool. Zell. f. 27.
Radella Zell. Isis.

Lithocolletis Pomifoliella × 7. [illegible] F. E. S. 2. f. 55. Haw. 578. 61. Ste. 257.
Pomifoliella Kalb
[illegible] Zool. f. 20. Zell. f. 29.
[illegible] f. 257 f. [illegible] 1820 & 1824.

10. Kaicica [illegible] Dup. f. 1, f. 31, f. 13. [illegible]
Ruficella Kalb. 29. 2002. Dufrenella. 11. 521, f. 308 f. Zell. f. 11
sonifiella Haw. f. 6.

× 11. Harrisella [illegible] Ste 215

× Blancardella Fabricius F. E. S. 2. 327. Supp. 500. Haw. 575. 53. Ste. 258.
Dep. 2. 1. 266 f. 30 f. 1. 13 [illegible]
Tom. 3. 1. f. 8 f. 25. 31, f. 51. f. 4. f. 11. 15.
Emanella Zell. f. 261. f.

Lyonetia, N.D. × Meyrickella Kalb 39. 2703. Haw. Ste. 256.

Incertae Sedis × [illegible] Kalb [illegible] Haw 580. 68 Zool. f. 31.
Ste. 2. 258. Wood f. 1321.
Betula (Zell. f. 24 Nov.) Stai.

× 15 Ulmifoliella Kalb 00, 443. Zool. f. 3.
Ulmanella Ste. Ill. 2. 256. Wood f. 1317.

× [illegible] F. E. S. 3, 2. 327. Haw. 579. 55. Zool. f. 23. Ste. 257.
[illegible] Dup. 11, 392, 1.
Laporella Dup. 11, 539 f. 308 f. 10. Zool. f. 6.

17 [illegible] Haw 579. 56. Ste 2. 258. Zool. f. 24.
Blancardella Dup. 11, 392, 2.
Acuella Zell. f. 33. Dup. Supp. 2. 3, 6. f. 76. f. 11.
Acrifoliella Zell. f. 32.
Infuscella Haw 576. 56. Zool. f. 12. Ste 257.
Lyonetella [illegible]
Ulmifoliella Ste Ill. 2. 259. Wood f. 1323 & 1324.
Inquillapennella Herrich Schäff. Zell. 2. 8. 247 f. 38.

× Fuchsigella Haw 576. 55. Zool. f. 9. Ste. 256.
Strigifasciella Haw Zool. 2087 f. 11 var.

Kleomanella F. E. S. 2. 326. Supp. f. 495. 80. Kalb. 29. 251.
Haw. 576. 54. Ste. 256.

× Erlichiella Zell 243. f. 35. Zool. f. 10.
Kleomanella Haw. 576. 54.

Dunningella Stai Zool. 3295.

c. May, Coombe w. Step.
b. June, 2nd Lowth. Pt. Lewisham. Stai.
July, Lambay, Ireland. Mr. Dale. [illegible]

c. May Coombe w. Step.
b. May & June, Dispton w. Ludlow. White thorn on Lewell heath w. Dorchester. [illegible] Farnham. Westbatham, July [illegible]
b. June, Darwin. July White thorn hedges w. Deleneck.
Larva, Aug. feeding on under surface of leaves of Prunus spinosa Mr. J. A. Knight also Prunus Cerasus, Cherry, and Lac. J. A. Greene
c. May, whole Coombe, East Barent Westindam Stai.
Larva, Nov. in the Engan.

5 May. Sight wooding, rolling grass in gravel Plantat. 16
b. June, Coombe. Stai.

25 May on grass, under trees, Langinwood, Hazel Buckhurst w.

July 5 Scotland. In Alder wood, Sourbram & Birch.
31 May, Alders, Asham bog. June 30th Pt. Mountsorrel. Stai
Aug. T. Lewisham.
Larva in Alder leaves, Oct. on leaf. Pupa 8. Nov.

c. May b. June, woody places, gardens, hedges. 30 Romsey w.
Larva found in Oak leaves by Mr. Nov 28, found hatched 6th May
Spun down on a plate of oak leaves held upon a stick at a distance, when they found a cocoon surrounded by their excrement, which serves the leaf when ready to hatch, the pupa works its way thro' the excrement of the leaf beneath & of course escapes. 16 May, Chestnut Wood, Swift & Mapledale, Worcestershire

5. May found in the bog with the larva. Sold a case of the 2nd Sept.
c. Oak. 9 May Chestnut Wood, Swift.
Oak wood, some shoots on underside of oak leaves [illegible] in the [illegible]
b. Oct. hatching [illegible] Pupa [illegible] Oct. from [illegible]
[illegible] on Alders.
b. Oct. Aug. at [illegible] Alder hedges, Devon Coast.
[illegible]
Larva

c. May, hedges. Large spaniel wood: Coombe & Barent [illegible]

Cat. mines in leaves of Convolvulus arvensis.
Microgaster Blancardella Bouché lives in the Cat. solitarily.
Dispilogaster Eulophus Blancardella [illegible] [illegible] [illegible] [illegible] the Microgaster.
m. Apt. Regent's Park & white thorn hedges
c. Apt.
[illegible]

5 May. 2nd in hedges of hawthorn, ash, large elm tree, Lewisham, Stai.
b. June. Coombe w. hedges, Dwood, Stai.
July 28. Aug 15 hedges. Stai.

Aug. Stock.
June, Harriotsham [illegible]
May, 1st pt. of dwarf Birch Pt. Wickham w. c. May, hedges, Coombe w.
Aug. Cat. on leaves of Birch; Bouché.

c. May, Birch & wood. 17th Plantations, Hainworth. S. E. Gardens w. Lewisham
c. June on elm, Dup.

Cat. mines in Cat. leaves. Pupa in folded Cat. leaves. Stai.

c. May, woody places w. London, Dup.
m. May Wanstead. Doubl.
June Lewisham.
Aug. Leaves of maple
Cat. mines Maple leaves.
c. May Cobham & Barent wood. Hop. [illegible] June, May honeysuckles, hedges Brick wood
f. May. Lord Stowers Knebworth w. hedges, woodlands. On Lonicera.

Sept. 17 out of a Hazel bush, Bud. w. July, Aug. Oct. Nov 2.

c. May, [illegible] 17th Bartford heath, Lincoln.
Aug. 15 palings under elm trees com: Stai.

c. May, hedges Coombe w. & Barent w.

May & June. 3, May, [illegible] Asham bog

Cat. mines in Alder leaves.

Fagifoliella Lie. Zool. f. xlii & fig: — 25 Aug Brislington

Denargella Dup: H. 527. fl 309. f. 5. Zool. f 32. f 257. — June 1st Longwood, Whitlington, f. 5 Larvae: Oaks & Hawthorn &c. Mr Ross
July 5th Kilpatrick, Leven, Dumbartonsh:

conparella Fisch. Zell. fig: 22. Zool. f. 25. Dup. Sup. fl 76 c. Apr: on Poplars
f. 13.

roborella Zell. f. 13. Zool. f. 22.
robarifoliella Dup. Sup. 4. 342. fl. 78 f. 11.

Apr. 28, Leatherhead com: off Any Oak? Bedell
20 May, in oak wood in Huddersf: Adler. Wakefield & Chester f.
oak mining Oak & Hazelle leaves. Colpo. on oak wood. Lie.

tenella Zell. S. E. 4. 876. f. 22

May on Hypnum, Sweep, out of a Hedge in the oak, in hazelle & bramble, Lie.
May in Hornbeams at Warnham abt. Ste

Sorocinella Zell — Zool. f. 22.
Cuella Ste.

June 1st Longwood, Whitlington: N. T. S. In oakwoods, common:
21 28 May, oaks, Lewisham.
5-22 Aug "

Hazle & oak woods with willow bushes, Moss: Willow

[illegible] Zell. f. 5. Steph.
Repella Hew: 577. do. f. 11. 4. 256. Wood. f. 1324.
secunfoella Ste. i. 2. var: Lieven says.

May coming gardens round London.
May 1st from Hawthorns Ste
[illegible] Oak & Hawthorn leaves. Lie: Corylus

Sericinella Zell. f. 20. Zool. f. 15.
trigutella Ste. Zool. f. 50. f. 2896

15 May, hedges, Sandness? Dougl: [illegible] Ste from Sallows

[illegible]

Pulicinella Lie. Zool. 227.
Caprella Fisch.

Oak & Hawthorn Ste

Amyotella Dup. 309. 2. Lie Zool. 2271.
Millerella Zell.

18-25th June, hazels in oak woods, Lazenby nr Penrith, Borrowdale, Windermere Ellis
In crevices of Oak bark Stree.

Ste Polliella Fisch. Zell. 183 f. 2. Zool. f. 15. Dupon. May on Pinus: Spalding: N. H. on Oaks
mesfulella Ste. i. 256. Wood f. 1318?

Carpinicolella Ste.
Steifolella Ste nec Zell

3 May Wanstead, Ste.
Jan. bei from Hornbeam leaves by Stan.

Zabella Stain. Zool. 2101, not of Zell.

May? January gras. Dudham Downs, Lucas
Aug Pupa on Viburnum Lantana, Eng.

cavella Zell. 213 f. 14. Zool. 2085 f.
Schrebercella Zell. in Ins.

16 May 47 on a Cow house, Backenham. N. T. S.

Spinocella Dup. H. 535 fl. 308 f. 8. Zool. f. 2.

June Birch hee, Latham Moss, Stirling: Among Sallows, Lucas
31 May & 6. Cow house at Ben Blaiser N. T. S. 30th Ashham bog D. & Oaks.
11 Aug, to light, Stai.

subsaxanella Stai
connexella Zell. 223 (25) Zool. f. 5. 2086.

May June on Willows & in Birch woods.

connexella Zell.

Alder, Haw, Cole
Bred, Lewis on willow willows, Fisher

Lonicerae, speciosa Boyd — Zool. f.
fischigella Ste. Ill. 4. 256. Wood f. 1320.

May on Lonicera caprifolium. 5th on grass. Honeysuckles, Mickham &c. Doug
Aug.
5 Jun. around taste [illegible] Ste
[illegible] Oak. N. T. S.

Hassiella Zell. f. [illegible] Zool. f. 14
Hassiella Dup?

Quercifoliella Fisch. Zell. 218 f. 12. Zool. 11 f. 13.
Dufonde. H. 531. fl. 308 f. 5.
Quinella Dup. 5. 11. 250. Wood f. 1321.

2 to May dried leaves of Low Oaks, common in woody places, Steph. 28th about: Hy. out of Evergreen oak & Ivy, Gl. West. C.C.
July Aug
[illegible] Oak & Willow on [illegible] Green Stat.

Cat: in Oak leaves. In Shoots of Bourg: Oak. f. West. under Dunc.
22 Apr, Lucas. 30 specimens. Bred from Sallows, Ste in Mus.
5 June

Viminetella Fisch. Zool. 2271?

Scoparella Zell. 227.

July? Sheffield: N. T. S. 5th [illegible] from nr Keyworth Lie.
27 June, Bard, Heath, fence 30th on Brown Stuart. June, by Pound, in pond, Dudham Downs
Aug 18 [illegible]

Lantolla Hofs. Letter Linn. Bot. 1.494. Sh. Bot. 2.082. f.1.f.1.

× 109 Lonicella Haw. Sh. 255 not Sh. Lib. fl. 3. f. 271.
Periclymenella Linn. 183. f. 218. Tacker.

× 2. Sebrebrella Haw. 5.3. Wood 1313 & 1314. Bot. Bot. f. 3.
Lavella Zeller. Sf. 255. Sf. Sp. 80. 2.
Alnivella Zell.

Nec Argyresthia Sf. 4. 11. Bot. [illegible]
[illegible] Sf. [illegible]

Lime, Parent w. [illegible]

× IV-ella Haw. 570. Sf. 254. Wood. 1313.
Indemgiella Zeller Bot. 4.7.4. Dup. 8. 469. f. 305. f. 4

Lime, [illegible] w. Mahon-Bank, Brailes.
Lime, Parent w. Sf.
[illegible]

Sorbella Haw 570. Sf. [illegible] Wood 1310
? Aspinella Dob. f. 353.

Lime, [illegible] Parent w., rare; Sf.

× [illegible] Haw. 570. o. Sf. [illegible] Wood 1311.

Lime, Parent w. Sf.

× Sorbiella Hub. 1362 (252). Dup. 8. 465. f. Sf. [illegible] Wood 1309.
Illuminella Haw. 569.
Lapiella [illegible] Dob. f. 3. f. 46.

Lime, Bomb. Parent & Bucknell, Bampfield, Carlton, Haw. w. Sf.
Feeding [illegible] on apple trees [illegible]
Obs. [illegible]

× Quadrella [illegible] Haw. Hub. f. 133. Dup. 8. 466. fl. 305. f. 8
× [illegible] Haw. Wood. 1307. Sf. 252.
2. 65. 2. 3

Lime, Linden & hedges.
M. Jul. [illegible] Allers, Lock Kamsole
E. Jul. Birch w. Parent & Bomb. Hay for & Bodm. Sf. [illegible]
Birch & Alders. [illegible] f. 6. & 7. f.
Cat. feeds in alder & birch buds, [illegible] Pupa in 6 feet only. Stan. 246.

× [illegible] Haw 570. Sf. 252. Wood 1308
[illegible] Dob. f. 3. f. 355.

20 Jun. out of a hedge at Glanvill's Wootton, Dillon, Comb. [illegible]
[illegible]
Lime, [illegible] Parent & [illegible] Sf.
[illegible]

102 Ederesa Curt. B. E. fl. 719. Ent. Mag. (1833) v. 1. f. 141. Jomene Sf. (1854) v. 4. 7. Acephora Dup.
Sf. 255 × Glaucella Zeller Sf. Stan 212. Sf. 256.
[illegible] Haw. 570. 256.

Lime, Parent.
Lime, Birch w.
Lime, Harnetshaw & Kipsey, Sf.
Cat. on the Clematis

× Comella Sf. 8. 2. 8. 291. 17. Lusf. f. 288. 41. Dup. 8. 459. f. 305. f. 3.
[illegible] (not of) Sf. 4. Sf. 4. 250. Wood 1332
curva Haw. 576, 14
Sparsella Zell. Dov

Lime, Ogar holts [illegible]
[illegible]
Lime, Appletree, Albrighton, Stan

× [illegible] Haw 577, 19. o. Sf. 4. 250. Wood 1324.
Bruni Haw 576, 15.
Prunella Sf. 249. Wood 1298
[illegible] Sf.
[illegible] Sf. 251.

Lime w. Lond. w. Harnetshaw
[illegible]
[illegible]
Cat. l. May, [illegible] & Pear, Stan
Lime, Parent w. Sf.

[illegible] Sf.
[illegible] Zell. 2. 2. 2. 269. Zool. 7. XI.

Lime, Parent [illegible] Bucknell, Bampfield, Carlton, Haw. w. Sf.
[illegible] Buckthorn, Sf. of Bugl. & Scott.
Cat. on Sallow

Argyresthia Zeller in Linn. Entom. 2. 234.
× tetrahodella L. S. N. 1, 2. 8. 890, 338. Dup. 8. 457. fl. 305. f. 2.
[illegible]ella S. 9, 2. 8. 157. X, 3, 8. 207 + 293. Hub. f. 350 (260)
Sf. 243

Lime [illegible] w. Leda w. [illegible]

× Prunella L. S. N. 1386. Hub. f. 175. Dup. 8. 454. fl. 305. f. 1.
× [illegible] Haw. var
[illegible] S. 8. 2. 3. 5. 330. 2. Lusf. 509. 18. Haw.
Bruni Haw. 516, 15
Comella Scop.
[illegible] Sf. N. 4. 244. Wood f. 1244.

Lime, [illegible] w. [illegible]
[illegible]

May, Lime, Oak, hedges, cherry, plum, [illegible] & leaves. Beech, White & Black thorns.

Cerasus avium Stai Lond c|xx

Many on hornbeams. Stai heard also from leaves gathered in Oct & Nov
Aug.

Fragaria vesca ib

Many beech leaves but from Stai
c. Jul
Aug

Potentilla (or Fragaria) Stai

Many on Blackthorn not seen Sta

Potentilla (or Spiraea) Stai

c Jul Blackthorns
c. Aug
Larva mine underside of leaves
no Jul. specs

Nectria Fr.
Trichosphaeria Nitschii

Corylus Nitschii Lond. Ap. c|11 (1854).

Geo Cary Thurston

but seen in Hazel leaves
not due to nitrogen supplied in the Prunus leaves

marginella Stai cognatella Hb. i. 263. Wood 1342	26 Aug 1836. side of River St Vincents Rocks. nr Bristol.
Ulmicolella Dang.	26 Jones, Furz bushes, Dartd Down. Dang: Darent heath, Dang:
Sobrella Tisch.	Moors nr Halifax, Mountain Ash, Allis. July on Furze bushes, Pine, Birch, Mickleham, Dow.
[illegible] Zell. E.S. 2. 288. Stai. Zool. 7. XIX.	May ab. on Juniper Sandestead & b. Dale Down
[illegible] Zell. E.S. 2. 289.	May: on Juniper [illegible]
[illegible] Zell: Zool. 7. XI.	c. July & b. Aug: not scarce among Juniper, Sandestead, Stai: & Mickleham.
[illegible] Zell E.S. 2. 290.	May 18th Juniper, Sandestead. c. Jul & Aug 2: wasted
1327. Cinnamomea Zell	Mar. not unfrequent among furzes. West Mickleham nr.
Pinivorella Zell. 2. 294. Zool. 7. XXIII arcuatella Zell Isis. galactitella F.V.E. Lanicella Hbnr. Zool.	Apr: Danford heath fence; June Pines in Garden, Lewisham: 27th and 1st Darford heath fence, Stai. July
Silecella Zell. 2. 272. Zool. 7. XIII. Bowella Dale	5 July Juniper Sandestead: and Jul. on Juniper in garden Sheffield & House nr: Bristol. c Jul. to Aug 2nd c. on: among Juniper, Mickleham, Stai:
abdominalis Zell. 2. 270. Zool: 7. XII	5 Jul: on Juniper Sandestead. Stai: & Mickleham.
purpurascentella Stai: 5. Zool: 7. V.	18 Jul. Birch-trees nr Carrone, Stirlingsh: Stai. 22d. Hawthorn hedge, Sheffield

apex to the angle formed by the opposite spots; there are a few dark scales on its margin, but *no oval black spot.*

Tristrigella frequents elms, in May and August. I once bred it. Nicellii is very closely allied to Frölichiella, but is smaller, paler, with much sharper and brighter markings, and the black scales towards the apex more collected into an oval spot.

I have not yet succeeded in detecting the larva, and am not aware that the species occurs with us at all.

13. L. lautella. The larva is an oak-feeder, and the pupa is inclosed in an extremely fine elongated cocoon.

14. L. ulminella, (*Schreberella*). The ordinary cocoon of the pupa is green or bluish green. In July, however, I found two transparent white cocoons in elm-leaves, from which I bred only Schreberella.

In conclusion, I have only to observe that the species here enumerated by Von Nicelli, are identical with those bearing the same names in Zeller's Monograph in the 'Linnæa,' as I have been assured by Herr Zeller himself.

H. T. STAINTON.

September 1, 1851.

P.S.—Having now enumerated all the additional observations I had collected on the species mentioned by Herr von Nicelli, and corrected one or two errors into which he had inadvertently fallen, I cannot in conclusion do better than urge your readers, especially the younger ones, to follow in the footsteps of Von Nicelli, and by accurate and long-continued observation, to ascertain the economy of some of the many species with which we are at present unacquainted.

There can be little doubt that the publication of these doings of Von Nicelli will tend to a vast increase in *collectors of the pupæ* of the genus Lithocolletis; and it is by no means improbable, from the numerous pupæ thus collected, that several species, new to this country, if not to science, will be obtained.

Our paucity of *poplar* species, having indeed only *one* (Comparella) is not a little remarkable. Poplar trees are not such rarities that the species feeding on them should not ere this have found their way to all our cabinets.—*H. T. S.*

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APPENDIX.

ART. XXVI.—A List of the Pomeranian Species of the Genus Lithocolletis; together with Descriptions of some Species of this Genus not mentioned in Zeller's Monograph. By *G. von Nicelli, of Berlin.* - - - clxv

Remarks on some of the Species of the Genus Lithocolletis mentioned in the preceding Paper. By *H. T. Stainton, Esq.* - - - clxviii

TO CORRESPONDENTS.

Communications bearing the following signatures have been received, and will appear in the November number: — R. B.; Rev. Geo. Harris, 2; Fredk Bond; John Sircom, jun.; H. Harpur Crewe; Alfred Newton, 3; A. M. Norman: Edward Newton; W. K. Bridgman; E. H. Rodd, 3; W. H. Cordeaux; T. W. Foster; J. B. Ellman, 3; T. D. Weir; H. W. Newman; W. M. E. Milner, M. P.; T. S. Rudd, and J. Allen Hill.

Mr. Cordeaux's paper intituled "Eccentricities of Nature" is received.

The Mocking Bird of North America (*Turdus polyglottus*) has occurred in Britain, as I am informed by Mr. Cordeaux; to whom I shall be obliged for further particulars of this interesting capture.

The Cedar Bird of North America (*Bombycilla Carolinensis*) has occurred in Britain, as I am informed by Mr. Newton.

Entomophilus.—I admit the good intention of the paper so signed, but the subject has altogether dropped, and it is better to let it rest.

[illegible]

× [illegible] Lin. 1191. Sk. 249.
not [illegible] Hill.
albistria Wood 1297.

× [illegible]

× albistria Linn 517, 18. Sk. 248. Stan.
Fagetella Hill. Dufr. 368, 11.
dentiloncella Wood 1301.

× Amoella Stag. Zool. 7, 18.
Eremodecella (Hub. 20, 179) Linn. 517, 16. Sk. 248. Wood 1296
Ithafodella Dufr. 360. 2.
casilia Dicf. ij. 2. 157. Hub. 236.

conifusca Linn 517, 17. Sk. 248
[illegible] Linn 2, 58, 1. Stan 216
[illegible] Sk. 249. Wood. 1300.

1828 Eremicora Linn [illegible] Sk. 2. 244. [illegible]

× [illegible] Linn 516, 13
Cerasiella Hub 28 332.

× [illegible] Sk. 247
[illegible] 2, 246. [illegible]

× [illegible] Linn 515, 12. 8. Stan. 246
Monetella Hub. Intarella Hub.
[illegible] Hub. 25. 1.
[illegible] Dufr. 381. 5.
Sebenna Hub. × [illegible] Linn.
[illegible] Linn 2, 57, 3

[illegible] Hub. [illegible]

Lecithosperma Hub. × [illegible] L. Hub. Goda fl. 46 f 3. Sk. 2
Wood 1357

Epicrocnemum
× Cuetiella Linn 2, 65, 4. Sk. 248.
[illegible] Hub. 389. Ascarella Hub.
Curtisia Linn [illegible]
Pistolbrachmis Linn.
[illegible]

1829 Phycomentor Lat. Curt. B. 5. 412 [illegible]
× [illegible] L. Hub. 13. 868. Goda fl. [illegible]

× [illegible] L. Hub. 13, 87. Goda 43 f 6, 7. Hub. 58, 393, 94 & 95
[illegible] Linn 1, 9.
[illegible] Hub 36, 236.

× [illegible] Hub 58, 391 & 392 & 387 [illegible]
[illegible] Linn
cognatella Dch.
[illegible]

† [illegible] Hub. 12, 95 f. Dufr. 386. 1. Sk. 250.

[illegible]

Ashing beech hedges, [illegible]
July 2 New Forest, Mr Lyell
Mr Chilham, Bodell. Lawes in Weeds, Weir.
[illegible]
Forwood. Stirling & Stan
[illegible]
[illegible]

[illegible] hedges in woods, Brown & [illegible]
[illegible] & Scriven in [illegible], Stan.

[illegible] May Hedges. [illegible] Hill, Bethell [illegible] Stan.
[illegible]

[illegible] & June hedges & [illegible] Stan
[illegible] Wrentham, Northgate, Cambridgeshire
[illegible] hedges, [illegible]
July.
June, New Forest
[illegible] hedges, Stan. [illegible] Bedell.

[illegible] Stag. [illegible] Wood
[illegible] May hedges Comb. [illegible] Southgate [illegible]
[illegible] Whitetown hedges
[illegible] July, [illegible] Wood.

June, Darent. Stag [illegible] Marthaw, [illegible]
July, West Wickham, Surrey in [illegible] & Forwood. Stirling & Hamilton
[illegible] Mr Manchester, [illegible] Mountain in Kilburn
[illegible] Wickham.

[illegible] May Darent [illegible] June [illegible] Wood & gardens [illegible]
[illegible] July Garden Wrentham. Dover
[illegible]

May Wrentham. Epping forest [illegible] May hedges. Darent [illegible]
[illegible] June. [illegible]
[illegible] May, [illegible] hedges [illegible] Wickham.

July [illegible] Darent [illegible] Comb. Brockenhurst, [illegible]

June New Forest, Lyndhurst
July
[illegible]

[illegible] Wrentham
[illegible] Dover [illegible]
Hedges & [illegible] Lambeth, [illegible] Bethnal Green Lewisham
Aug. 13 & [illegible] [illegible] Lewisham, Stan.

12 Jul. Bury Lam Paris & Bubonne [illegible]
[illegible] hedges Kent, [illegible] Gage. [illegible] Stan
Great Comb. [illegible], Harford, [illegible]
Rhamnus frangula Buckham Bank, Lewisham, common.

× [illegible] L. Hub. 13. 87. Goda 43 f 6, 7. Hub. 58, 393, 94 & 95
[illegible] 2nd.
[illegible] Linn 1, 9.
[illegible] Hub 36, 236.

× [illegible] Hub 58, 391 & 392 & 387 [illegible]
[illegible] Stan 243
cognatella Dch. [illegible]
[illegible]

† [illegible] Hub. 12, 95 f. Dufr. 386. 1. Sk. 250.

[illegible] hedges & gardens, [illegible] 20 a mile
[illegible]
[illegible]
[illegible] Jul. [illegible] Forest [illegible]
[illegible]
[illegible] on [illegible], at [illegible] Wood 1.2.

June in Surrey [illegible] Garden. Peckham Rye 1847
July Darent [illegible] Comb & [illegible] Stan

spiniella Zel.	Linn 2. 254.	7 Sept. Darwood Stirlingsh, Mountain Ash, Stai.
glaucinella Zell. Ll. 2, 265. Stain Zool. 7. ×		June oaks n: Brislington: Beaces n. Camberwell
conjugella Zell. 258. pl 2 f 3. semifusca Hb: 4. 248. Wood 1295.		4 June, Dulwich n. Bedell. Mountain ash, Darg. Wickham. frequents Elms, Wild service & blackthorns, Zeller
Organacanthella Dup: Suf: 6, 7. 9. Cutarella & Haw.		c Sol: Lewisham, Stain: b. Darg:
‡ 20-punctata Retz: sedella Treit: IX, 1, 223; Geda XII, 321, pl 285, f 8. Zool: 687.		25 Apr. Norbury hill, Norwood, S. J. Step.
× malivorella, Wring Tr. 2. 1. 5, XXI		Cat. on Sedum Telephium Cat on apple trees. 7 July 48, bred numbers: ~~from~~ Cat. drew up the apple leaves, feeding on pac theem

Rosaceae Juss. Stipules 2. Fo. Carpels 1 to many fr. 10.

Tribe 1. Prunieae Hawr. Stem 157. Esp. 3. p. 5. Table of Wood. Flr. 5th flies by Day.
Hort. 53 p. 32

24th Apl. 3 May, 5 abl. & fly) before noon, found S. Sambucus (Fruits) in Lancashire
gone beyond bounds, near A. L. Dofa Glamorgan. Zool (59) 3061.
Fruit of S. Germain Epic. Pierre.

Cat. Sub. Birch, lime, hazel, oak, willow, poplar, Dec. & pine of trees
hatches c May, fall grounds Aug, perfect in a wk amongst the heath leaves

Lasiocampa Hbn. Form Cat. Curtis

Rubi L. Don. 2. 09. - Esp. 2. tab 7. 3. 4. Haw. c May. Heath, Commons & places amongst Wood.
Trifolii Schef. 6. June. 13th 8th Cayeland Lasiocampa, Scotland.
31st May 44 Whitemoss

Cat. Sept. 6. Oct. on Ruins, fruticosus, rambling about sand hills at
Sandwich, the largest some saw. May spun not in period but down hedge bank fr. 367.

Eriolobi Fr. Linn. Trans. 3. pl 2. 1. - Esp. 2. 15. 16. Sub. Healthy feeds Parent. Parley Heath & Ben Spec.
Dumeti Fab.
Eversmann Pillars p. 23.
aug. & end. Liverpool 17th Ins. Cat. Sambucus, Oak, Lime
m. May, hatched.
feeds on whole thorn, rubus, sorbus, B. Hedge, Common Raspberries
Cat. c May. 6. Sub. Trifolium pratense. Medicago falcata & Plantain
on sand hills, Bridgend, Glamorganshire, feed on Lotus corniculatus, Glaucum

Medicaginis Borkh. Ochs. Curtis 2. p. 81. Hbn. c. Aug: N. Leyd hurst & Bristol. Clifton at Tenmouth.
non of last Godart 3.266.10 says non-feeding
Ochs. 3. p. 15. Fr. Nat.

Cat. Sun. Inf. Trifolium pratense, Medicago lupulina &c
c June N. Leydhurst, on heath grass sandhills

Quercus L. Don. 3. 103 & 104. Haw. 81 & 82. Sam. 3. 3 Aug. Bare Forest. Crown. Scotland. Skirts of Wood
5th Aug. Hills Dick, Garran, Lye Wark, Rymer, Smallholme & of Jedburgh
Sub. Hawton.

Cat. Sun. Sub. Ash, Oak, Hawthorn, Birch, willow, &c, in the Lothians
& Roman Antiquities of Rome.

Rubi & Idaei & Spartii Hbn. Ochs. 3. p. 13. f. 2 & 3
are one of L. Quercus
39. p. 173

c. Sub. Parent Wood - Hertford & Ripley, n. Dover & Hastings Bagshot
Epping, Cambridge & Norfolk.

Perfoliatum.
Dumeti L. Esper. Stephens & Haw.

Crataegi L. Haw. Don. 2. 117. Esp. 2. 25 Aug: n. Comb. Birch & Parent Wood. Bedford & Cambridge
Malli & avellana L. var. fallidus Haw. Sept.
Schef. 133, 3, 2 g.
Wis Idaea Linn. g.

Cat. May. Sun. Willows, Black & White thorns, hazel
Sun in very sunshine.

Pavilocampa Steph. 2. 28

Populi L. Don. 9. 307 g & Haw.

Dec. 2. Trunks of trees Lanes Sub. Comb. Birch & Parent Wood
Surry. Norf. York &c
not in Scotland or Roxburgh Lothians, Angus.
Cat. June. Fruit-trees. Oak. Lime, Birch, Poplars, White thorn
Rose, Aspen, Willow.

Eriogaster Germ. p. 16. Haw: note XX.

Lanestris L. Don. 6. 210 g & Haw: Haw. Mus: 157. c Feb. Bushy places n. Parent w. & occasionally every where
124, 84 mar.

Cat. Sun. Fruit-trees. Lime birch willow, sloe & white thorn

~~Lasiocampa Steph. 2. 20.~~

Mr. Becker of Wiesbaden has had them in Jaga for 8 years & then the Moths
nearly gray. Mr. Rouse has had them after 6 years in Jaga
The larvae are in hole cons and have 2 to 4 fine hairs, with spines very hard.
no communication with the exterior.

The larva of Sesia is infested by Megastilus + 2 Ichneumons. J. W. Zool. 3. 1158. — Tetrastichus Hal.

× Coniopteryx Fonscolombella L. Don 10, 355, 4. Hub. Goda pl 43 f 8 — c. Jun. Gardens & hedges nr. Norwich; Sol. of Maidenhead nr. Highgate plentiful
coniopteryx Haw 512 Ste 342. 3.88 f Dufr. 286.1. — 6 Aug. Dorset nr. Axminster, New Forest

Sesia Lin. — Psecadia Zell. Hub.
× Sodoxena Haw 514.6. Dely. 1, tab 22, f 22, 23, Ste. 4. 334.
bipunctella Hub 44, 303 f. Dufr. 285.7.

Bat. on Spindle tree, bud cherry & Service
June, Coombe-W. Stone & Sirhowy Monmouth Esp.
c. May, Dover, Le Mastier. Dorset
Bat. on Lithospermum officinale in Aug. Dover
Bat. on young shoots of Scotch fir, Dorset nr. Sherborne
Bat. on Bristol. Mastrand. June Barnell Jun. 50 f. Bat. on pth Bond.

Dichrorampha Hub. Cinerella Tr. Hub 13, 85 f. Goda 44, 5. Haw. 515. 10
× Dufr. 285.8.

22 Jul. Fontainebleau 1850 J.S.
6 Jun. Kirkby Stephen, Westmld. Dow. L.S.

Anacampsis Hub. Steph. 234. p
‡ Fusciella L. Curt. B. E. 412 ** f. Ramer pl 23 f. q. Pz. Ste. 4. pl 39 f 3.
L. Thespiella Hub 15, 104 8
sequella W.V. Haw. Lin.
Goda 44.7
Dufr. 285.3.

June ~~[illegible]~~ Brit. Isles.
1812 in a Chalk pit a Dorset nr. Sherborne Grove nr. Greenwood. Steph.

Bat. on Lithospermum officinale
Bat. Dover, Stakhouse.
June 1810, in Cedars, Bricks D'Lank

‡ Echiella Hub. Curt. B. E. 412 f. Goda 44.8
bipunctella T. 15, 105 f
Dufr. 285.2.

Bat. on Echium vulgare.

1030 Ephsolophus T. Curt. B. E. 420 — Ephsolophia Hub. Ste. 4. 335.

× Antennella Hub. 15. 99. Haw.
antennella W.V. Dufr. 292. 4. Ste. 336.
cicella & lucomon T.

Jul. Dorset & Coombe-W. not uncom. in woody places near sea & round London. Ste.
Aug. Coombe-W.
Sep. underwood, Nickham W. Darg.

Thalocheiplus Ste. 4. 337.
× sylvellus Hub 63, 220. Dufr. 292. 3. Ste. 339. cynosarmum T.
Proscellus Haw. — bifasciatus Haw
Nemorum T.

m. Jun.
9 July, n. Allborne.
Sept. woods, copses & thickets, Lewes, round London, esp. Darent-wood, Steph.
c. Aug. Oaks, Lewisham.

Ephsolophia Jun. — Abbeza Hub.
× vacciniellus Hub 16. 106. Ste. 339.
5-punctatus Haw. var. — cultosus Haw. var.
flavicilia Haw. var.

c. Jul. Birch-W. J.C.
2. Sep. Devon & New-for. Chimney, about in woods & copses, Ste.
3 Aug. Coombe-W.

Gracilaria Hub. × Syringella Hub 18, 124. Ste. 340.

Sept. not uncom. round London. Ste

× Fissellus Hub 16. 108.
candella T. — nitidella T. — ochrella Hub. 108.
Expositella Hub. 380. — variella W.V. 105. var. — nanus Haw.
Fidvella Dufr. 533 var.

Sept. woods, Lewes & round Lewes, Sussex, Steph. New for. & Norfolk, Esp. Curt.
July 5 Mickleham

× Radiatellus Jon 3, 77, 3 & 4. Steph 338
radiatus Haw

6. Aug. Brist. & Darent-W. Steph. not uncom. Ste.
m. Oct. apple trees. G. Worton

× Costellus Hub. 16, 107. Ste. 337. — ciscella Hub. 243. 7. p. Dufr. 293, 7 & 294, 8.
ochroleucus Haw. var. — cinnicus Haw. var.
ustulatus Haw. var. — costella Dufr. 294. 8 var.
maculatus & var. maculatus T. var. — minutella Dufr. 293.
× Maurellus Hub. 18, 122. Steph. 340

c. Aug. Oak woods Devon & Lewisham
m. Aug. off Juniper nr. Bagshot
3 Sept. Darent-W. Haw. in Ste.
20 July n. Beech, Mickleham.

Sept. round London Ste.

Anacampsis Hub. × Scitellus L. Hub. 51, 349. Steph. 293, 2. 8. Ste. 340.
dorsatus Lat.
sisymbriella T.
vitella Hub. 62, gabriella Hub 221. var.
ustella L. 383 var.

Aug. trunks of Elms Kensington Gardens. 21st Oak wood
m. July trunk of willow, Battersea. 6 July Oak Ewell, some Regents Park
20 June 4 bred.
Autumn very abt. Lewes woods & hedges round Lewes, Ste. Haw. & Dunn. Ste

× Sequellus L. Hub. 15, 102. Esp. 291. 1. Ste. Supp. 20 f. 2.
Nylotomerella W.V. 2. 93. Sab. Esp. 50 pl 21.
Fissilis Curt.

c. Aug. hedges Westerham Kent, Darent-W. Ste. & Rifles, Ste.
palling Greenhythe nr. Grant
m. July trunks of Oaks Hainault Forest nr. Roberton. 12th Bristol.
9th out of a hedge by Newton Falence J.S.
Oct. in Lennage wood nr. Lewisham, Steph. Mr. Gage.

Coll. N.Y.
Lancelle No: 337.

Saw

6th Sept. Dakota, Alnd. 67
June New-for: rare, Ste.
6 July, abund. on Oaks, Lewisham.
6 Aug.
Cat. on fruit-trees.

1031 Cerostoma Lat. Curt. B. E. v. 20. Plutella Curt. Guenée
Hew. 341.

[illegible] × Depressella Hub. 25, 169 [illegible]
vittatus F.
Pomatella Lin. Dup. 293. 9. St. 341.
Intimella Wlk.

× annulatella Curt. B. E. v. 20. St. 341.
bimaculata Zell

× maculipennis Curt. B. E. v. 20, 3. St. 341.

Lucata mi × Xylostella L. Hub 17, 119. Roesel 1, t. 10. Dup. 293. 10. St. 341.
[illegible]
R. M. 73. 73, 11. D. t. 24-37.
cruciferarum Zell.

1032 Eupecilia Lat. [illegible] Curtis Ode 3, 5.. Phycis Ode 5, 120
St. 4. 348.

× medicellus Hub. 3. 197 Law. [illegible] St. 349.
Romanellus. [illegible]
[illegible] Bosti F.

1033 Pinea Lin. Ode Scardia [illegible]
[illegible]
Phycis Hal. × Harrisella Hub. 5. [illegible] St. 347.
Cochinchella [illegible]

× [illegible]ella L. Reaum. 3, t. 20, f. 12. 16. Stus 216
[illegible] 165. Roes. [illegible]
[illegible]
Sound [illegible] 158.

× Cloacella Haw. St. 347
[illegible]

× [illegible]ella Haw. St. 347. [illegible]
[illegible] Hub.
Lancella Hub. 55. 381.
[illegible] Hub.

× Destructor Ste. Zool. Jour. 1, 455. 3. St. 346.
Fenchmella Curt.
Bellella Curt. Zell. Heller p. 396
[illegible]

× [illegible]ella Haw
St. 346.

[illegible] × Lapiella Hub. [illegible] St. 346. Wood [illegible]
[illegible]

× [illegible]ella Haw
[illegible] Heller p. 396
[illegible]

albipunctella Haw St. 345. Stain. 7. 16.

× nigripunctella Haw 504. H. [illegible]

Dam Gardens, Wrentham, Lyndhurst, Lisson Gr. &c
[illegible]
3 Oct.
[illegible]
Ang. Scotland. Tynemouth, Northumberland & [illegible]
[illegible]
July [illegible] England, &c.

Aug. Scotland. [illegible]
[illegible] Kent Coast [illegible]

Colnbrook, Surrey
E. June. London. [illegible] Wrentham. [illegible]
M. Jul. Dover [illegible] Oxlebum [illegible] Wood walls
Aug. Scotland on Honeysuckles & Wall flowers [illegible]
M. Oct. Turnip fields Southchurch, Essex [illegible] Dover.
Oct. on [illegible] & Honeysuckles.

Phycis Ode 5, 120

July Birdlem: from Blunt's Cab.
[illegible]
Cat. Dal

July [illegible] Lisson, [illegible] Cat. Dal.
E. June trunks of decayed trees in Lady crofs New Forest Hal
Lyndhurst [illegible] Wrentham
[illegible]
[illegible]
in [illegible]

[illegible] in Granaries & Wrentham in all kinds of seeds, [illegible] & [illegible] [illegible] in May, [illegible] grass, [illegible] wood.
[illegible] red [illegible] large (unique specimen) [illegible] cedar-tree [illegible]
[illegible] & Kings, Stan
[illegible]
[illegible]
[illegible] Lawrence
[illegible]
D. in Oct. [illegible] when no work was going on. Scott.

Aug. in London in houses [illegible] and [illegible] Ste.
Jun. Robert's [illegible] in carpets, sofas &c. &c.
Jul.

Cat. Dal. Kings [illegible] carpets, [illegible], [illegible], [illegible]
[illegible] in London [illegible]

[illegible] E. June, [illegible] Wrentham. [illegible] at [illegible]
[illegible]
[illegible] Nat. Hunter. Surrey.
[illegible]

[illegible] in the House, Robert's Ste. & Bentley
[illegible] houses & [illegible] woods round London. [illegible]
May 5th to July 2nd [illegible] of quills & horse hair lining of sofas, Stain
Cat. Lion in Carpets, in feathers & wool in Sofa, swarming in [illegible]
[illegible] Houses & [illegible] round London, [illegible]
July

E. June, [illegible] hills, Lowestoft
Spring & summer Houses & Cottages round London. Cambridge.

× Dalella Stain M.S.
vitellae? Hub: 24. 164
Fungibrella M.S.?

v. very Dwarf, among Heath on the face of a Rock, Sc.
1865. Dunoon, Argyll Scot.
Oct. Forest among heather, Stain.

13.? Acrolepia Cust. Ms. L. 12. 670.
lapideanella Stain 539.? Ms. 1. 185. Wood pl 137. f. 1336.
× Flavidumnitella H. 7. f. 1. 677.
Hamilis . . . Lefebvriella Dupont 2 90 f. 11. v. 11 f. 121
Silveriella Zell.

Kaslers Stainnig
26 Apr to 15 May, hedges Lewisham. & Whitethorn, Wrentend.
5 Apr. flying about rose bushes in my Garden at Dover, ex. Stain on banks & moss large Stain
Mr. Aug. Gl. Wood.
Oct. on window of Priory Gl. Wood. Cat: mine in leaves of Solanum dulcamara Stain
Euphacilia Sc.

× 2d marcidella Cust Ann & Mag. N.H. 5. 120 Dec.?
2 Sefuscella H. 7. 6 f. 6.
3 ferrugineella Stain 13. 2.
× 4 granitella Sc. Lucia.

Dannant Guest & believe Robertson in June 53 white thorn fence Wallacesmelome 1/2 mile from Lymdale to Brock Sc. Board
Sept 57 [illegible] Dee Dunoon Sc. C.D.
Ben Nevis Coll.
Deep Stor. Jobson at Belfast July Folkstone Dong in Scala Syrenenica
8 June, Cheadleigh & abund. Stain
Larvae mines in leaves of Scala dyr. Stain

Microgaster parasitella live 3 or 4 together in the Cat. of the Insca. the Larvae very much resemble those of the Gelinerates, but are more slender. Bouché 1833.

Nordenne aurinum. Very destructive in granaries at Rotherhithe, Sep.

aurioletta Stain 7. 21. is it distinct from closaella?
granitella Dup. 3. 289. 12.

May hedges, Lewisham
June Hamilis do.
July.

fuscarella Hub. 72. 219 - Zool. 1884
a beautiful species.

June on old lichen covered stump, Black forest, J. B. Hoogk.

ochraceella [illegible]

July Aviemore, Scotland, Pfiffard

× hellionella L. Hub. 3. 15. Hoes. 2. 17, f. 6. Ste. 345.
Eanus 3. 158, u. 5. 2. 8.
Cauchonella 22

June 13, 28th at Lyndhurst, Lincolnshire.
July 16th, 20th Small Wales.
Apl. [illegible]
May 4th.
Aug. 12th, 29th.
Bat. Destroys Clothes
[illegible]
7th Oct. 8th Lewisham.

× fuscipunctella Haw. Ste. 345.
[illegible]

vestianella L.
× saturella Haw. var.
rusticella Hub. 339
vestianella Ste. 346.

Apl. Houses. 5 May bred out from a bracket of hair
June
Jul. [illegible]
[illegible]

× corticella Curt. 3 Zell. 5. 6
[illegible]
[illegible]

Hunts of trees Kensington Gardens with:
13 Aug. [illegible] Lady's Traveller's [illegible]
[illegible]

Endromidæ × tapetzella L. Clerck Ic. t. 11, f. 12. Hub. 13. 9. Ste. 3[illegible]

May 29th bred 15 from Pupa in a Sawmill. [illegible]
June 21st in Bedrooms, in Earnings [illegible]. 9th Bedroom Hayes. Sawmill [illegible]
in Jul. Sleeping room Dover. Chester. Bodmin. Fly Pale in Day
bat: on woollen stuffs & skins. Bull. Co. in Dear Sawmill. 13 Sawmill
[illegible]
5 June, Beech trees, Cheltenham. 17th in Bristol. In Frame Damp Sleeping
5 July at Hornsey [illegible]

1031 Ochsenheimeria Hub. 2. 1. 2. Ste. 2. 348. Ochsenheimeria Tell. Hub.

× taurella Hub. 1. 188 Haw. 3. 6, 26. [illegible] Ste. 350
[illegible]

b. Aug. amongst grass thistles, in gravel pit Coombe.
[illegible]
July among fan Darent heath. Dec. 22nd 32. Tunbridge Wells

× mediofrictinella Haw. 3. 5. Ste. 350.
[illegible]

in Aug. [illegible] in a [illegible] Hay field [illegible] Wootton J. C.
[illegible]
[illegible]
June 18th [illegible] in Mainly Lincolnshire, Sopley & Hockney, K.
7 Sep. 30 2 of Compy square on St. Lawrence Downs, J. C.

× Bidentella Gnet. 2. 2. 3. 2. Ste. 350.
[illegible]

[illegible] May 1830. [illegible] of Lay walls, Liverpool Col. Reid.
20 June 26, 18 on a wall. Br. Islington at Bristol, J. Sircom.
[illegible] Aug. 7th [illegible] of grass Lancy Canal [illegible] grass at noon, Goodrich [illegible]

Chenopodiella Hub. 5. 16. [illegible] Ste. 351.

July, Hertford [illegible]

1035 Incurvaria Haw. 6. 1. 2. 207. Ste. 2. 351.

[illegible]. common hedges. [illegible] Day [illegible] explosion.

Esperia Ste × masculella Hub. 18, 185, 9 Gnet. 2. 2. 607 6 [illegible] Ste. 351
muscalella Haw. 3. 99.
[illegible] Haw. 5. 6. 2. Ste. 352.
Ochsenheimeria [illegible] 339, 3

13 May fly & by Day about white thorn hedges on Southwold Road & at Lyndhurst Woodton & Hampton. [illegible] May [illegible] 17th
6 June & New Forest & [illegible]

[illegible]
Tineoneura [illegible] Hub. 378.

May, hedges, at London [illegible]

× Ochsenheimeria Hub. 5. 1. 8. 6. 1. 2. Ste. 352.
[illegible] Haw. var. 3. 6. 2. 1

[illegible]
May Dunt wood [illegible]
June [illegible] Sale, Forwood,

1036 Lampros
× Tinunculella Haw. Ste. 351
[illegible] Hub. 378. 8.

[illegible]
18 June. 15th to end, very abund. Lewisham.

1036 Lampros Oct. amaurosella Ste. 2. 352.

[illegible]

Depressaria × [illegible] Stew. 218 Hub. 21, 141. Haw. 3. 5. 2. Ste.

6. 2. Jan. Darent. on Fences Hilton, Ex. at Chem.
May at Bristol. 15th in Coach House, Hayes
June gardens Chalberis at London Mus. for: Dean & Chelsea
23 at Lyndhurst

Anckitella Hub. misella Zell	260. Stainj. 225.	
fuliveserens Dup		m. Sept. House & Farnham R. Jones bed 2 3/4 from stat. cases found entire [illegible] Feathers [illegible]
[illegible]		m. July numbers in bed room at Gilbert [illegible] House [illegible]
Genus 1027. arcella Fab.		
x dematella Fab. St. Farg.	Stain 212	Lake Pontchartrain 20 St. Hedges, Louisiana
nivella Fab.		Rub. Parent
expandella Hub. 37, 276		Lake, Grace m.
		[illegible]
Bat. [illegible] Hy. [illegible] one of Drummond's [illegible] that he [illegible] of [illegible] figures in [illegible] them with my drawing.		
monachella Hub. 21, f. 143.		May, Hoxey, & Doul.
Zinckenii Zell.	Zell. 263.	m. Halifax, Allis May, Riches, Michener & Dorg.
rufinchella Mot	from Rub. Stain. 6.	
[illegible]	Stain. 7.	
imella Hub. 50. 327. , [illegible] Wocke.		
stipella [illegible]	Stain. 17.	
sulphurella Hub. 22. 150.	Dup. Sup. 84. 10	Allis May, Fly, Cannock Chase, Atkinson.
tigrella Hub. 49. 336.		
fuscofrontella Mann 15. 8		Innsmidanwie Scott, Stain.

Crambidae

2 Devonella Stn. Ent. Ann. 1. 29. 1st May, Dawlish, Devon, out of a hedge

3 angustiferella Z. Stn. 90. On Orchard trees not scarce, Breslau

4 finitimella Z. 25 July Glogau

6 anglicella Stn. May swarmed in hedges
albalis Hav. July E.
Melcagrinnella Stn.

7 Torquillella Zell May Sandersteed
July Mickleham

8 Scotiella Stn June Torwood in plenty.

Sept. larva on Mountain Ash, Stn.

9 amplicatella Mann Croatia

1 Sepanilla Zetland
[illegible]

2 [illegible]

3 fasciapennilla Logan [illegible]

Thaumatopoïa

Cnethocampa Steph 2. 46.

processionea L. Martyn. Stew: Sk 2. 47. Devon & Lond
Reaum Hübn 53 f 34.

Bombycampa F. Sk 2. 48 . & Brit Mus: & Leach Devon

Cat. Pine & Fir.

Chelioscampa Curtis. Gastropacha Ochs 3. 292.

castrensis L. Curtis 5. 229. Stew 159. Cat. Aug: Isle of Sheppey, & New England Essex & Kent; June
Esp. 3. t. 28, f. 1, 2. from 20 July to 10 Aug. France & England.
Hef. Sk. 2. 48. pl. 13 f 2 ♂.

Cat. May to end July Artemisia maritima. Plantago lanceolata.
Daucus Carota. Betula alba, Geranium. Euphorbia &c

Heustria L. Haw. Don: 3. 95. Sub Gardens
var. lilimacata Haw: Schaf. 209, 2 many:
Sk 2. 52. n 3.

Cat. June. Fruit trees
eggs deposited end of June on leaves & stems May 5th

Eutricha Hüb: Steph: Odonestis Curtis Dendrolimus pini Steph. 2. 50.

Pini L. - Curtis pl. Don. 5. 170 & 178. 22 July Norwich, & Hardham. Two specimens were from Pinetum
Stew 157 & Cat 155 Dendrolimus

Sept. Cat: on Fir. Pinus sylvestris & abies. Mound & Marseilles
Ent 1748 Richmond Park on white thorn

Odonestis Germ: p 49. Dendrolimus pini Steph. p. 50.

potatoria L: Don. 5. 148. & Cat. Esp.
Stew: 150

in June Cat. Fall & eat in hedges Grasses bushes Beech & oak
1st July. Some hatched &
1st Aug. & flew into my candle & extinguished it.

June Cat. upon coarse grass

Gastropacha Och: Germ: p. 50. Stew 155. Curtis N. 2. f. 22.

Lanceifolia L. Curtis 245 Don: 7. 232.

6. Jul. skirts of woods
m. Jul. bushes R. Pestum & Cranham many in Hamill on. June.

May Cat. Sloe, white thorn, rose, willow.
6. June full grown

quercifolia L. Curtis. Sk. 2. 53.
5 Aug

17th May, Chizzamock Essex, & Cliffs Dover, & Thanet Zool. 2. 30.
20th Apr. from green bud me. I saw the drawing. It was a small o

Cat: on Sallow. 2 or 3 miles from Sheffield Zool. 3244 Wm
early young leaves of apple & willow

populifolia L. Martyn. Sk.

Cat. on Poplar

Hypogymna Hüb: Steph. Lobaria Och: Germ: p 32.

dispar L. Don 5. 163. German Specimens 6. Aug: bushes & trees
Stew 161.

Cat. June. Oak. Lime. Fruit trees. Willows. Myrica & Gale
Mosquito: Epidendrum Stew. 1. & 2 similar in habits &c. generally.

× 4 punctella L. — Ste. 354. Wood 49, 1576.
bipunctella Dup. Sup. 89. 9.
— 6 May, w. Bristol, J. Sirom, [illegible] Lewisham, June about Roses, Stain. Gardens &c. many places w. London. Ste. 7th bushes Northam w. Mundesley

× minutella L. — Haw. — Ste. 354. Wood, not like
minutella Hub. 37. 13.
Hammondella Stan. [illegible]
— flowers in woods Gl. Wootton, Doncaster &c. J.C.D.
13 Beginning on flowers of Comfrey Parsnip &c. in Greenwood J.C. 20th J.

Borkhausenia Nob. — ? Tr. Ilicana Nob. — Ste. 354.
— May June w. London & Mid. Ste.
3rd July, w. Bristol, J. Sirom.
June w. Darent w. not com. Ste.

miscella Haw. 580.
× 5 aurogutella Ste. Ill. 4. 274.
— May on a Filbert Holmes & Gl. Wootton
a. Jul. off. Birch trees Melton wood w. Doncaster J.C.D.
June 1818 on an umbelliferous flower, Darent. F.T.

Nanniferella Zell.
× Miscellella Haw. — (on Ash) Ste. 354.
miscella Haw. 580
nodiscella Stp.
— May, Coombe w. Haw.
8 August Thomas, Lewisham.
June, Darent. [illegible] on Hedge cresta. Nr. gen. Canterbury

Leucopteraceae — cerasella Nob. — Ste. 355.
— June grass, flowers w. Lewis w. [illegible]

cerasella Nob. Haw. 327, Haw. Ste. 357.

albicella L. — Ste. 355
— June, Harrietsham. J.C.D. Chelsea, New Ins. & Dover.

× albifrontella Hub. 64. 432. Ste. 355.
— June w. London, Ste.

Antispilaceae — × Magnificella Hub. 44. 307. Ste.
— m. June Darent w. & Ste.

1037 Lampronia Ste. 4. 356. — Curt. B. E. 639.
× 1 rubiella L. — Stew. 213. Curt. Mag. 1. 389. Steph. & C. 1. 779.
— a May & June, gardens & orchards round London, not uncom. Ste.
m. May, Ealing Paddington & Edgeware Road by Gardens. S. Stainer
also abund. on blossom Currant bushes, Highgate.
Epping Spring by bundles at 5 in the morning. N.B.
Larva wrapped in the blackberries.
April Larva live in a very current shoots (Eaton) & 3. October) feed in the pith
June, in a copse [illegible]
a May, hedges Darent & Darent, Ste.

× 2 fraxinella Z. — Curt. pl. 28. 251. Ste. ib.
Lucella Gray.
intricella Zell. [illegible]

× 3 rufescens Haw. Ill. (non Zell.) Hub. 36. 252.
Sabinella Stp. Dup. 3. 2.
— b. Jun. trunks of dead & barked trees w. Lyndhurst; there fresh sticking out in multitudes. 48 & 37.
June Darent w. & Westerham, Ste.

Cerapunctella Haw. — var. of n. 6 Ste. 357.
a May, woody places round London, Darent, Ste.
b. June

× 5 marginepunctella Ste. 358
Stainton

Denisia Nob. × 6 luzella Hub. 64. 430. — Curt. B. E. pl. 639. 8. Ste. 357.
— spray w. Bristol. Sallows, Wickham, Day.
June, Harrietsham. New-for. w. London Ste. 25. 52, off Sallow, Frant w. fine

Cat. on Strawberry leaves when in flower. Freyer Vol 2. pl. 132

fumorella Haw. Hub. Ste. 357. vide above

× [illegible] Hav. 566 [illegible]
[illegible] Bot.

Park palling Greenwich Hse. Mr Robertson

× [illegible] Hav. 213. var. [illegible]
vanilla Bot. [illegible]
[illegible] Dup. 303.10.
[illegible]
× [illegible] Ste [illegible]

12th Raspberry blossoms, Chant. in the Raspberry, [illegible]
12 June bushes, [illegible] Hollingsh. [illegible]
Gardens Chelsea, Fulham & Lambeth, &c.
[illegible] Bot. in Raspberries [illegible]
June 17 In the lane [illegible]

[illegible] Ericocephalus Bot. B. 2. 751. [illegible]
Galantheia Nux [illegible] Hav. [illegible] Ste. [illegible] f 10.13.18.
[illegible] Dup. 302.11.

Microstroge [illegible] Oct. 1816. [illegible]

n. May Dorset [illegible]

10 × [illegible] Hav. 57. 38. [illegible] 360.13. [illegible] f 13.15.
[illegible] Bot. 357.358.
[illegible] Ste. 359
[illegible] Dup. 302.12.

Hedge out of fir trees, [illegible] Dorset.
[illegible]
[illegible]
May [illegible]

× [illegible] Hav. 572. Ste 360
[illegible] 33.2. 32b. Bot. 61.308. Bot. 305.7. [illegible] f. 35 f. 3 f. 2.
[illegible]

9.

× [illegible] Hav. 572. Ste. 360.
[illegible]

May [illegible] Birch tree [illegible]
[illegible]

5. × [illegible] Hav. 572. [illegible]
[illegible] (Bot. [illegible]) Bot. 302.
[illegible] (Bot. 38. 363.) Ste. 360.
[illegible] Hav. 572. 42. Ste 360.
in Corylus [illegible] Bot.

May Trunks of Beech-trees in a wood at Kimbolton, Huntingdon
[illegible]
Dart. Beech, [illegible]
[illegible]
[illegible]

1 × [illegible] Hav. 572. [illegible]
[illegible] Bot. 30, 321.
[illegible] Bot.

[illegible] Hav. [illegible]
[illegible]
[illegible]

~~[illegible]~~
[illegible] Hav. [illegible]
[illegible] Bot. [illegible]
[illegible] Bot. [illegible]

June [illegible] flowers, [illegible] Dart. [illegible]
[illegible] Bot. [illegible]

× [illegible] Hav. 2. [illegible] Ste. 2. 362. Hav. 573.
[illegible]
[illegible]

[illegible] Hav. [illegible] Ste. [illegible] Hav. [illegible]
[illegible]
[illegible]

× [illegible] Hav. 6. 7. 38. [illegible] 362. [illegible]
[illegible] Bot. [illegible] f. 31 f. 3 f. 2.
[illegible] Bot.

May [illegible] Dart. [illegible]
[illegible]
[illegible]
[illegible]

× [illegible] Hav. 573. 45. Ste. 362.

[illegible]

[illegible] Hav. 562.
× [illegible] Ste. Ste. 363.
~~[illegible]~~
quadruplella [illegible].

Hav. 37. 1 at Kipling, J. E. L.

[illegible] Hav. [illegible] Bot. 2. 333
[illegible] Hav. 532. [illegible]
Sedges, common.

[illegible] Hav.
[illegible] Hav.

[illegible]

argentinuncula Stan. [illegible]

Wat.

7 Gt. nr. Bristol. Oakes Mss.

8 semihyalinella Hb. 359. Tr. E. S. n. s. 1. 36 pl. 3 f. 17.
Phiciella? Dup. 11, 407, pl. 302 f. 11.
Mar: common on Birch
Apr. Dr. Wickham nr. Dorg. Darent in Sept.

11 uninucleella Fab. Tr. E. S. n. s. 1. 37, pl. 3 f. 16.
Mar: scarce: Stam
Apr: Birches, common Wickham nr. Dorg.

6 mansuetella Zell. Tr. E. S. n. s. 1. 33. pl.
Mag: Wickham: Dorg: under: among st Mercurialis perennis & Stinging nettle.
Mr Bree with Cathiella

1 cultrella Hadley. Zool. 3. 1386.
Lampronia Cathiella Stt. Ill. 4. 361.
Dorg: on Cultivated Linum.

aruncella Scop. Zell. Tr. E. S. n. s. 1. 39.
concinnella Stt. 4. 361, 14
Dune Sandwich: Darent: w: with unknown Stt.
grassy bank betw Sydenham & Bugle Inn:

4 ochrannuncella Stan. g. h. Tr. E. S. n. s. 1. 31, pl. 3 f. 8.
nunnuncella Tr. E.
18 July, underwood, Hollingbourne Stand.

Gram 25 quadrisplicella Zell. Tr. E. S. 1. 188 pl. 15 f. 5.
aurosuffusella Stt. 4. 262.
Dune, Sept. Dorg, Stt.

17 Gr. 22 aurosuffusella Stt. Ill. 4. 274, Tr. E. S. 1. 187 pl. 15 f. 3, 4.
Phipella Haw. 568 non Stt.
Lacertella Zell. 2. 347.
Dorg fagus [illegible] Stam
Dune. Darent [illegible] Dorg

Comicidis Zell. Tr. E. S. n. s. 1. 191 pl. 15 f. 7.
argentifimbriella Stan. Zool. 2163.
monilicornis Dong.
Cat: on Hypericum, Wickham and Dorg. Sept. on a rose on its leaf.
June Oct. pilosellum & perforatum
10 Aug: Headley Lane: Dorg:
July nr. Tunbridge wells, Weir, among Genista tinctoria

10 gr. [illegible] Zool. No. [illegible] E. S. n. s. 1. 183 pl. 15 f. 1.
29 Jul Charlton and [illegible] Cat: Dutch Lane from Bexley to Darent
Cat: on leaves of Artemisia vulgaris, Dorg: July

Ornix Tr. Zell. [illegible] 86 — Larva [illegible] Mack. Brit. Moth. [illegible]

[illegible] x Meleagripennella Haw — Hub: f.189: [illegible] 86 — June at Oxford, Darenth [illegible]
[illegible] Haw? St. 362. — [illegible] May [illegible] woods round London, &c. — [illegible] common. [illegible]

1038 [illegible] Haw [illegible] 363. [illegible] 2. [illegible] 385

x [illegible] Haw 530, 15. [illegible] — in May, Coombe & Southgate [illegible] & Scotland
[illegible] 3.2. p. 328 [illegible] 362. — [illegible] lilac
[illegible] ideapennella Tr. Dup. 8. 589, pl. 311/5. — [illegible] Ipswich
[illegible] Lilac [illegible] London [illegible]
Larva [illegible] in the lilac leaves [illegible] Ent. [illegible] p. VI

x [illegible] Haw 530, 12. St. 362. — Hedges Coombe.
[illegible]

Oinophila Sh. V-flava Haw 530, [illegible] St. 365. [illegible] — Aug: abund^t in wine cellars in London [illegible]
1115 x. [illegible] — [illegible] no corks.
[illegible] Sept. [illegible]
Larva fed on Rhacodium cellare probably, or in the corks
[illegible] bred them [illegible] E. I. 5. XII.

x versicolor Haw 531, [illegible] St. 365. — June [illegible] London & [illegible]
[illegible]

7 x semifascia Haw 528. St. 365. Tr. E. I. n.s. 1. 124 pl. 12 f 13 — ~~June moist Lanes Coombe [illegible]~~
~~[illegible]~~ — [illegible] Whittlebury, [illegible] Bristol,
[illegible] — [illegible] Mickleham

6 x [illegible] Hub. [illegible] — May June w. London [illegible] Aug. 31. [illegible]
~~[illegible] Haw 528, [illegible]~~ — [illegible]
[illegible] Dup. 8. [illegible] pl. 311 [illegible] — [illegible] Hill
[illegible]

x [illegible] Haw 528, 5. St. 366. — June, w. London [illegible]

[illegible] x [illegible] E. I. 3.2. p. 304. [illegible] 290. 56. St. 366. — Spring Chelsea. [illegible]
[illegible] 18. 23. — [illegible]
[illegible] Hub f. 203. Dup. 8. 602. pl. 311. f. 13 — Autumn [illegible]
[illegible] Haw 529, 8 — [illegible]
[illegible] Haw 528, 7. St. 366. — [illegible] London

1 x [illegible] Haw 529, 9. St. 366. — in June Oaks in Woods.
Franckella Hub: f. 377. [illegible] E. I. n.s. 1. 118 [illegible] 12 f 10 — [illegible] Hornsey [illegible]
[illegible] Dup. 8. 583, pl. 311. 1. — [illegible]
[illegible] — [illegible]

5 x [illegible] Hub. [illegible] ~~Haw~~ — ~~St. 367.~~ — [illegible] Oaks Coombe [illegible] & New Forest [illegible]
[illegible] 276. — [illegible] n.s. 1, 122 [illegible] 14 f 8 — [illegible] Woody places [illegible] Whittlebury forest
[illegible]

[illegible] x [illegible] Hub f. 202. St. 367. [illegible] — [illegible] Oct. [illegible] woods [illegible]
[illegible] Haw. — Hedges & woody places round London [illegible]

[illegible] f. 146 f. 3. Haw 527. [illegible] Dup. 8. 548. pl. 311 f. 4. 107 — [illegible] Oaks Coombe [illegible]
10 [illegible] L. [illegible] — [illegible] 1437. St. 367.
[illegible] Hub. — [illegible] Dup. [illegible] L. w. x.
β [illegible] L. F. S. 1438. — [illegible] Dup. [illegible] f. 9. 8.
[illegible] Haw 528, 8. St. 368. — w. London [illegible]
[illegible]

x [illegible] Hub. f. 198. Haw 528, [illegible] St. 368. — June Woods [illegible]
27 June [illegible] Charmouth [illegible]
18 May [illegible]

[illegible] x [illegible] Haw 530, 11. St. 368. — May [illegible]
[illegible] Dup. [illegible] 311. [illegible] — in Jul. [illegible]
15 Jul. [illegible] Dorset, [illegible] 28th [illegible] of willows, [illegible]

[illegible] | [illegible]

× Gazella Gnat. Ann & Mag. N.H. 5. 120. Dec. 1st 1850. | 2 June 29 Eyes trees Nicklebam S.C.

Pimpla [illegible]

8 × populetorum L. Fa. E. Sus 1. 125 f. 12 f. 11 | 17 Sep. Bracken

× [illegible] Fa.
[illegible] Dup. 306 11

Cosmotriche Stephens 1852 | prædella Linn.
angustifemella Hub.: | 17 July, Brander Sept. Dunning on Alder.

Lienigeria Zel. Zool. 1850 p. 2753. | June, Yarrow, N. Doab.

Pincolella Zel. | 2 June Nicklebam & Nicklebam, Pitlochry, Dunger on Sycamore Bedell. Italy, Scotch pine

Cenoschinella Fa. E. E. Sus. 1. p. 6 | June Nicklebam, Dan.

18 Phenanfurmella Hub. 321 Zool. 530 f. E. E. S. 1. 183 f. 2. 157 f. 2. | 2 Oct. Gosport Scott R.N.
Lam. [illegible]

Eat in land of Coils of Willow leaves [illegible] drawing

4 Phenicinella Fa. E. E. Sus. 1. 121. f. 14 f. 9 | Sep. Forrest, Shelving, Sh.
[illegible] 51 f. 10

fredella Linn. Cab. 896. 120.
angustifenella Hub. f. 29 f. 197. | Summer 1838. Taken at Lound on Spanish by J. Paget. It is beautiful. Sunny. J. a. D.
Autumn

9 incomstans Fa. E. S. 1. 125. f. 14 f. 1-7 | [illegible]
hemidactyla Haw 527. Sh. 2. 367
signifemis Haw ib. 3
[illegible] Fa. 30

12 Fringefemella L. E. E. S. 130
fringillella Dup. Suf. 4. 303, f. 75 f. 11 | May, June grass, plentiful, Lowestoft & Southwold Sunny, Sh. Aug.

16 omissella Fa. E. E. 183 Zool 2163

1038 Crisicinella Zeller in Linn. Ent. 2. 366. f. 2. f. 14. 1
gubochiga Haw. 552. Sh. 565
× 1 Incertellum Zell. f. 19. 20 & 31. Zool. 2. 2.
Beam. Mem. 3. 1. ff. 3 f. 9-12. f. 36 50.
Curtisella Dup. 1. 5. 6. ff. 369 f. 4. | June moist lanes, Combwood, Sussex.
6 Aug. Wildown Devon Coast.
13 Feb. 35 on Sallows, Gower's Wood S.
23 Sept. Kainault Forest, Bedell. Dunger on oak, Sussen.

× 2 Alnicellum Dup. 3. 525. f. 308 f. 1.
Cucullifemella Zell. Isis. Hub. 19.
Lizushinellum ib. Aurora Haw.
Hub. Lep. Sus 6, Alnus. B. a. f. 2 a. f.
Fe

May, Dartford heath, Dung.

× 3 [illegible] Haw. Cabinet
citrinellum Kogl. Bict. 2. 70, f. 2, a, b.
Fischer
Cerasifemella Sh. E. E. 1. 566 not of Hub.

June Dew forest in plenty, Sh.
Isle of Wight 6 Aug. f. Sallows with Cherries not on Alnus 67. Wallington
Cat. on Cherry leaves. Wallington f. 70.

1039 Chrysocorys Curt. Ent. Mag. 1. 191. H. E. H. 663. Step. 4. 282.

× angustipennella Step. 282.
Gelechia Hub. 365, 249 Lewin & Haw.
Gelechia ~~Hub.~~ Haw. 580, 69.
montandonella Dup. 309. 11. pl.

Genus Elachistis Curt. Ent. Mag. 1. 61. Alucita Haw.
Hb. 3. 370.

× fuscedactylus Fill. Haw
Elachistis Hub. 3/16 & 5/25.
fuscus Rott. Fill.

× bifurcatidactylus Fill. Haw
Elachistis Hub. 35.

× maculidactylus Fill. Haw. Ream. 1, 20, f. 7-18
Elachistis &c.
similidactylus &c.

× Acrocnastylus L. Hub. Beg. 4 f. 11.
Elachistis Hub.
Lewin Haw. pl. 30, f. 1, Lewin, fuscus & mollis.

× Lineocnastylus Hub. Haw. 3 Hb. 37a

× cephalonitylus Hub. Hb. 37a.

× Scirocnastylus Hub. Hb. 37a.

× Tachydactylus Hub. 37.
Lineodactylus Hub.
Bifurcatylus Hub. Fill.

× Epilodactylus Curt. B. E. Hb. 37. Step. 4. Hb. 37.

× parietedactylus Hyb. Haw Hb. 37. Step. 4. 7.
albicactylus &c.

× tentacadactylus L. Zon. 2. 110. Ream. 1, f. 20, f. 1-6
Hb. 37.

Schroedactylus Hyb. 37. Step. 4. 7. 6

× Tetracnastylus L. Fill. Haw Hb. 37.
Lineodactylus Hub. 35. Lin.
Tridactylus L.
Bifurcatylus Hb. 37. Zon. 2, Haw.

× pallidactylus Haw 4, 8. Hb. 37.
Schroedactylus Hub. 3. 1413.

c. Jun. on wormwood, heath w. Mildenhall Suff. in some numbers
Step. 4. 7. well
c. Jun. & Aug. on wormwood, Blackheath, Essex & Hitchin Herts.

c. Jun. on ivy, hedges, Kent & Essex, Bucks & Gloucs.
Hills, in willow-trees, Mr. T. Saunders.
Aug. c. Jun. Birmingham, Harding.
Cat. 18. May, interior of leaves of Burdock, wood w. Kimpton, pupa 33
Aug. 3. Effing.

on Jun. Pettles. Bl. in hedges, Kent & Essex.

Jun. Eastcot Cornwall. Jun. in Essex.
Mary Gl. Worcs.
c. Jul. Sandown, Isle of Wight.

Jun. weedy banks, Mr. w. Bristol, Ashley & Devonshire Step.
8 Jul. sunny bank of Thyme in afternoon w. Gregranchis Hill
on Jul. 1. Forelands meadow Dover.
Aug. Horsell, G. Sivell

Jun. Hedges, Chalky soil, not uncommon
1. Early show of Lunaria Aug. 1. Mr. Ingram. 16. Sandwich Jun.
Jun. w. Shoreham, Lighley, Hertford, Dover, Step.

1839. Adactylus Curt. B. E. 471. Agdistes Hub: Ste. 370.

× Bennetii C. B. E. fig. 471. f & c.

c. Feb 1833, among grass & seaweed, plants on Pattenes at Tolesbury & S. Devon

Dubneri Curt. B. E. fig. 471. h

Alucita Adactyla Hub. Ill. pl. 7. f. 32-34

Metzneri Zell. in Isis 1841.

Not British. I have seen a Silesian specimen & it is quite distinct from my A. Bennetii. It is of a bright lead color like the tip of a peacock's wing

× similidactylus Curt. Dale

[illegible] in [illegible] p. 245.

Leptonactylus ib. 246

Ethoxydactylus Dup. 313. f. 3 & 11 ~~pl. 278~~. f. 670

Sulz Cat. on underside of cabbage leaves, Boucha.

Coactidactylus Koll.

Etodactylus Dup. 313. 8.

Non

× megadactylus Hub.
megadactylus Fr. S.V. 2. 248. 11. [illegible]

Sum. death fits. w. Moncriff Scotland.
[illegible]

× similidactylus Curt. Lond. Mag. N.H. [illegible]
~~Phaeodactylus Ste. Curt. 7621.~~ not [illegible]
[illegible]

Sep. Oct. 2 or 3 flys w. ty around my a hedge Milton. [illegible]
[illegible] Forest [illegible]
[illegible] Brunson.
[illegible] Douglas.

Monodactylus Fr.
× lunadactylus Haw. [illegible]
[illegible] Def. [illegible] Ent. [illegible]

Sum. [illegible] Garnet w. 22. [illegible] hill, [illegible] on the [illegible]
[illegible] Rock castle. S.E.R. [illegible] many on [illegible] Dromio. [illegible]
[illegible]

× didactylus L. Don. 4. 318. Geoff. 2. 92. Schaf. 93. [illegible]
Trichosactyla Hub. filonella Zell.
heterosactyla Haw. [illegible]
Hieracii Zell.

Sum. [illegible] Woods [illegible] Durham [illegible]
c. Jul. death fit w. Scott's Bay [illegible] round London [illegible]
[illegible]
oat. on Cowslaw. & Germ. [illegible]

× Monodactylus Fr. Hub. [illegible] Def. [illegible]

Sum. Roses in hedges
[illegible]

× trigonodactylus Haw. [illegible]

[illegible] hedges.
c. Sum. [illegible] of woods. [illegible] places. Barton Cliff, Hants.
c. Aug. amongst [illegible] & grass under the cliff at Barton
[illegible]

oat. on [illegible] leaves of [illegible], [illegible] Wood.
Sum. [illegible] of woods. [illegible]
m. sul. [illegible] Meadow Down. Mother.
c. Aug. [illegible] amongst Furz, death w. w. [illegible] [illegible] flower
[illegible] from a cat. [illegible] was in [illegible] a few days
oat. on Holyoak in [illegible] Hayes.
[illegible] New Forest, Hants

× carbonactylus Hub.

× Teseradactylus L.

Sep. sunset, grassy banks. Wood edges. S.R. Hill.
Sum. hedges. On Colt's foot Barton Cliff
Sum. & [illegible] [illegible] & [illegible] Cliff
July Sept. sunset, grassy banks. West [illegible] & [illegible] heather. S.R. Hill

× Pleurothaeodactylus Hub. 5, [illegible]
Lunotidactylus Haw. 479. Hep. 356.

× Paravidactylus Haw. 480
[illegible] Def. [illegible]

Sum. death fits Kent. Pardy Heath, Bentley, [illegible] & [illegible]
July [illegible] Lady Park Castle a yellow Lady's bed. Haw. S.E.R.
[illegible] Sandersteadowns. S.E.R.

1041 Alucita Linn. Syst. [illegible] Oncideres Lat.
Ill. 2. 378.

× hexadactyla L. Don. 4, 136. Harris Ex. 13 [illegible]
Ream. 1. 19 f. 19. 21. Lat. Hist. Nat. 14, 256
[illegible]

polydactyla Hub. [illegible]
Def. 3. 14. 13. Ill. 379.

hacilodactyla Ste. Ill. 4. 379. 3. [illegible]

Mar. June
Mar.
[illegible] Hay, Ty, [illegible] sunset [illegible] Hayes in numbers.
Apr. Houses, [illegible] meadows
[illegible] from March to Oct. [illegible] the winter
Sept. Newcastle, [illegible]
Oct. Window Margate, [illegible]
Oct. on Honeysuckle, [illegible] into the [illegible] in May & July
Sum. [illegible]

Sum. near Brockenhurst. [illegible]

x Lithoxylodactylus [illegible] Mr. Donaster Kew. Dr. Preston.

Aug 952 on Ononis, mines Cliff, Dover zigzag.

Cliffs, Seaquarantine, Jordan.

[illegible] meadows, Lowe.

Commiactyla Dub. [illegible] Mr. Ripley.

In warm sunshiny weather, feeds on young tops & unexpanded flowers. They do not thrive well in confinement & the Honeywood must be
planted in a pot. R. Lambert, Esq.r 191. Fallows, Magnolia Tree, Cocoons on Water-Dock in June. J. B. Ellman.

Genera et Species Trichoptera by F. J. Solemati 1838.

Fam. I. Heterophalpoidea. Tribe I. Limnophiloidea

Gen. V Glyphidotaulius, p. 36. Glyphotaelius Steph.

1. umbraculum K. — Berlin

2 pellucidus Oliv. Pict. Burm. Steph — do.

II Grammotaulius, p. 38

1 nitidus Schr. gracilis Burm — do.

2 atomarius Fab. Burm. tiroalis Zett. linearis Steph. — do.

3 immaculicornis Zett. — Lapland

III Chaetotaulius, p. 41.

1 vittatus Deg. Zett. lunaris Pict. Burm — Saxonia

2 borealis Zett. — Kat. Sibir.

3 nobilis K. — Livorno

4 maculatus K. — Syria

5 decipiens K. — Hungary

6 flavicornis Fab. Pict. Burm. atomaria Zett. — Berlin

7 rhombicus Linn. Ross. Alis. Pict. — do.

8 signifer Zett. elegans Curt? — Sweden

9 striola K. — Ratisbon

IV Chaetotaulius, p. 45

1 excisus K. — Berlin

2 cinerella K — do.?

V Goniotaulius, p. 48

1 vittatus Fab. Pict. Zett. Burm. — Sweden

2 flavus Linn. Pict. Burm — Berlin

3 fuscicornis Zett. — Ratisbon

4 lunatus Zett. — N. Sweden

5 maculosus K. elegans Pictet 13 f. 3 — Hungary

6 fenestratus Zett. — do.

7 himaculatus Zett. — Lapland

8 griseus Linn. Deg. Pict. Zett. — N. of Eur.

9 stigmaticus K. — Berlin

10 concentricus Zett. — Lapl.

VI Desmotaulius, p. 56.

1 planiceps K. — Greece

2 Heyden K. — Bavaria

3 hirsutus Pict. 11 f. 10. nigriceps Zett? — Berlin

4 pumilus Schr. rubricollis Pict. 11 f. 2. — do.

VII Phacopteryx, p. 59.

1 granulata K. — Luneburg

VIII Stathmophorus, p. 60. Neuronia? Leach, Mo.

1 dentatus K. fuscicornis Pict. 11 f. 9. — Silesia

2 fuscus Linn. Pict. 10 f. 1. Steph. Mo — Sweden

3 lapponicus Zett. — Norway

IX Stenophylax, p. 62. Halesus Steph.

1 puberulus Zett. — Hungary

2 arcticus K. — Lapl.

3 pilosus Fab. Pict. 5 f. 2. — Sweden

4 striatus Linn. Reau. Schaef. Pict. 6 f. 1. — N. of Eur.

5 meridionalis K. — I. of Crete

6 alpestris K. — Carniola

7 nigridorsus Pict. 10 f. 5. — Silesia

8 Pantherinus Pict. 7 f. 1. d. e. quadrifera Zett. — Europe

X Halesus Steph. Kolen, p. 68.

1 digitatus Schr. Ol. Pict. 7 f. 2. interpunctata Zett. radiatus Leo. — Europe

2. nigricornis Pict 6 f. 4. — Austria

3 auricollis Pict. 8 f. 1. — Silesia

4 Pacilus K. [illegible]

5 flavipennis Pict. II f. 8 [illegible]

XI Chætopteryx, f. Pl. Ste.

1 villosa Fab. Ste. Pict. 7 f. 3. [illegible]

2 tuberculosa Pict. 7, f. 4. villosa Zett. [illegible]

3 [illegible] [illegible]

XII Hydroptery K. f. 73

1 Kochenbachii K. Saxony

XIII Ecliseptery K. 74.

1 Dalecarlica K. Dalecarlia

XIV Apatania K. 75.

1 vestita Zett. fimbriata Pict II f. 11. [illegible]

Tribe II Phryganeoidea

XV Agrypnia Curt. K. 78

1 Pagetana Curt. egrota Burm. Europe

2 [illegible] Silesia

XVI Anabolia Ste. – Subg. Oligostomis K. 80.

1 [illegible] Fab. [illegible] [illegible] [illegible] [illegible] [illegible] nervosa [illegible] Europe

2 reticulata Lin. Pg. 71. 5. Zett. [illegible]

3 clathrata Hoff. [illegible]

Subg. Holostomis Perch. K. 82

4 pellucidor Lin. [illegible] Pictet [illegible] [illegible]

5 albicia Fisch. pilosaroides var. Zett. [illegible]

XVII Trichostegia K. 84. Phryganea L.

1. grandis Lin. Resl. Del. Pg. 94. 18 Europe

2 varia Fab. – Pictet II f. 1. variegata Dehlb. [illegible]
annularis Oliv.

3. minor Curt. mixta Burm. [illegible]

Tribus 3 Sericostomoidea Ste. K.

XVIII Rossiania Leach – Sericostoma Latr. K. 88

1 Schneidoria K. flavicornis Ehr. Zeitsch. Ent. Dalmatia

[illegible] Pict. [illegible] Saxony

2 collaris, Colr. Pict. 12 f. 1. Spencii Ste. [illegible] Europe
[illegible] Spence? [illegible] Zett.

XIX Notidobia Ste. K. 91.

1. ciliaris Lin. 7. ciliata Fab. Pg. Pict. 1. f. [illegible]

XX Hydronautia K. 92. Marmonia Curt.

1 maculata K. Pict. 1. f. 4. [illegible] Zett.

2 albicans Zett. [illegible] Europe

XXI. Plectrotarsus K. 94.

1 gravenhorstii K. [illegible]

XXII Stathidopteryx K. 95. Trichostoma Pict.
Morse Ste. Brachycentrus Curt.
[illegible] Pict. 13. 8 [illegible] Europe

XXIII Asphatherium K. 96. Trichostoma Pict.
Morse Ste. Brachycentrus Curt.
1 [illegible] Pict. 13. f. 10 [illegible]

2 [illegible] Pict. [illegible] Europe

XXIV Goëra Hoff. K. 98.

1 [illegible] K. [illegible]

2 Dalmatina K. [illegible]

3 hirta F. Oli. Pict. 14. f. 3. Europe

XXV Silamaria Leach

1 Pictetii K. [illegible] Pict. 13. 11. [illegible]

2 Schmidtii K. Carniolia

XXVI Silo Curt. K. 101. Athripsodes Bill.

1 minutus Lin. Pict. XIV f. 3 [illegible] Europe

XXVII Philocalopus K. 102 Harycia Ste.?

1 turbidus K. Saxony

XXVIII. Hydrochelsbia K. Agraylea Curt.

1. sexmaculata Curt. — Europa

2. Argyricola ♂ K. longula ♀ — S. Sweden

XXIX. Hydrophilus Dalm. p. 104.

× 1 Tricoides Dalm. flavicornis Pict. 20 f. 11. — Europa

× 2. pulchricornis Pict. 20 f. 10. — ?

× 3 brunneicornis Pict. 20. f. 12 — Swed. Gueo

4 obscura K. fuscicornis Schn. St. En. Zeit 1846. — Mehrina

Glypheidotaulius umbraculum, polenati, p. 3.

A. Tegmen
a. Basis radii + subcostæ
b. Basis cubiti
c. Subcosta
d. Radii ramus subcostalis
e discoidalis
f thyrifer
g clavalis
h Cubitus internus
i posticus
k suturalis
l. Ulna costalis
m. cubitalis antica
n postica
o externa
p. Parastigma
q. Anastomosis antica seu discoidalis
r. Anastomosis postica seu cubitalis
s Arculus
t. Thyridium
u. Area costalis
v subcostalis
w discoidalis
x Cella discoidalis
y Area thyridii
z Cella thyridii
α Area interclavalis
β cubitalis
γ clavalis
δ suturalis
ε Areola apicalis prima
ζ secunda
η tertia
ϑ quarta
i Areola apicalis quinta
κ subapicalis prima
λ secunda
μ tertia
ν quarta
ξ Musculus attractor tegminis
π Costa. πρ. margo, trunc. pinnæ
ρ Apex. ρρσ Margo apicalis
σ et σσ Margo suturalis
ξ, σσ, *. Fremulum
B ala
τ. Musculus flexor alæ
φ. extensor alæ
χ Trochlea
ψ. Tendo
ω. Fremulum
a. Subcosta
b. Radii ramus subcostalis
c. principalis seu discoidalis
d subdiscoidalis
e Cubitus
f Costula trochlearis
g gemina antica
h postica
i tertia antica
k media
l Costula minima, ventrica
m accessoria
n Cella discoidalis
o Areola apicalis prima
p secunda
q tertia
r quarta
f quinta
t subapicalis prima
u secunda
v tertia
w Anastomosis antica
x postica
y basalis
z. Apex.
χz Margo anticus
z*ω posticus.

Order X Trichoptera Kirby, Leach. Neuroptera Linn. Lat.

228 Limnephilus Leach. M. C. 211. Curt. B. E. 488.
Glyphidotaulius Kolenati Gen. & Spec. Trich. p. 30. Glyphidotelius Ste.
flavicornis Curt. Brit. Ent. pl. 488. Linn. & Evans. Phil. Mag. v. 4.

a. June trunks of trees & pond Near Lond. Holly bushes New Forest not uncom. Lond. Devon, Ste.

the larva lives on sept. trees wide Rennie.

2 Lemanopiatus Curt. B. M. n. 122. q.
Potamidus Kleis. Ins. Mat. 521. 12. Delj. 2. 526. Glyphidotelius Ste. 211.
Pictet pl. 17. fig. 8 L. Grammodulus Ste. 211.
metres in 6 unpublished q.

a. June New Forest & Gt. Worlton. nr. London. Mar. Sept. Tower. Scott.

grammodulus Kolen. p. 38. pl. 12.
3. Frigoras Gmel. Curt. B. M. n. 122.
Nemotaulius Kolen. Ste. 210. Pictet

20 June on a Thistle by a brook on Upton Marshes. Halifax. Entirely may to Sept. marshy places. Lakes.
Nat. Novelties. Sept. New for. Devon. Scott.

4 varicornis L. S. N. 1252. Delj. 2. 399. pl. 13. f. 18–21. Ste. 217.
Kolen. 2. 53. Pictet p. 7. pl. 11. f. 5.
Limnophilus Kolenati Tab.

a July Beaulieu, Scott.
May to Sept. marshy places, nr. London New for. n. v. nr. Ste.

5 bimaculatus Curt. B. M. 125. Ste. 215
Glyphotaulius Ste. Cat.

nr. London, n. c. Ste

6 Rhadicofilum Kolen. p. 21. pl. 4. f. 3.
6 flavicornis F. Ahr. 5. 14 var? Pictet 151. fig. f. 2. Ste. 211
Limnophilus F.

July Dudbridge Lock. Stewart. Capel Berig. a. N. Davis

7 rhombicus L. Dom. 7. 220. Schal. Gen. 4. pl. 5. f. 5. Kolen. is the blue Grammodulus Kolenati Gen. Spec. p. 38. 15. Pictet. 155. fig. 9. f. Ste. 211.

Very Tree in wood marshy places, sides of lakes & rivers. July Embankments nr. Windermere Mr. T. Bennett. Carne Bingo. Scott. Sept.

8 marmoratus Curt. B. M. n. 123. Ste. 21.

July nr. London, Ste.
June Devon

9 ~~bimaculatus~~ Curt. B. M. n. 123. Ste. 216
Stenophylax Ste. Cat.

June nr. London, Ste.
July Pitt River near Ex.

10 Apicalis C. rhombica Ahr. 5. 13. obtusata Delj. 2. 401.
2. nebulosus Curt. B. M. n. 123. var. Ste. 215.
Limnophilus Pict. 157. pl. 3. f. 3.
Glyphotaulius Ste. Cat.

a. May. abundant on Willows nr. Hollesley
b. Sept. in bushes Dunsford. abund. very in June
b. June. Sept. Regent's Park, Meadows Dane Court.

11 Nervulus Curt. B. M. 124. Ste. 220
Anabolia Ste. Cat.

b. June Oxford & Kingston Wood
Spring Fishtrees, Gt. Worlton
m. Oct. Sandhills, Lowestoft.
Wing Bournemouth, nr. London not uncom.

12 Furcatulus Curt. B. M. 123.
Nemotaulius Ste. Cat.

b. June Firs & trees New Forest.
July nr. London, not uncom. Ste.

13 Orbicularis Curt. B. M. 125.
Nemotaulius Ste. Cat.

b. June trees Bagley wood, Holly, & White thorns New, nr. Devon
b. Sept. Dunsford, rare
Ste.

14 affinis Curt. B. M. n. 123. Ste. 217.
Nemotaulius Ste. Cat.

(21. 7. 52. First Captd. Trout.
m. May abundant on sides of rushes under cliffs going to Lewdlands & Wolverhampton
21 June Hanning 17 June Coast nr. Southampton & New Forest, Cats.
2 May abundant on sides of streams, Cairns
m. Oct. Sandhills Lowestoft
Sept. marshy places, gravelly

b. June Oxford nr. London New for. Devon, Ste.
b. June sand hills Lowestoft
Pitt. Devon

15 obscurus Curt. B. M. n. 123. Ste. 22.
Nemotaulius Ste. Cat.

June nr. London, Ste.
July

16 Cascus. Ste. c. 221.

7 7b Agrypnia Curt. B. E. 540. Ste 6. 228.
1 Pagetana Curtis. Kolenati p. 78. pl. 2. f. 15.
Roesel 2 aquat 2. tab 12
agrota Burm:
Hetaeca Hemm 3. t. 18 f. 11.

15 Aug 1. amongst sedge by the mill at Brickmeers Wiggmore
14th Aug 33 f. Marshes in salt marsh, bet. Yarm & Croston. Col. Paget.

discoidalis Curt. B. M. 4. 123.
halleseus Ste Hom.

dorsalis Ste 6. 213.

1. Aug 1. of Brute w. Lock Rd: common on Marrams, Sandwich.
on July taking Kingfisher, 14: Greenlane d. 8.52, marley swamp for, Tunbridge Wells
28. 50, Bordean.

July w. London & Ste.

10b Stigma Curt. B. M. 123 Ste 216
bimaculatus Ste Cat.

June w. London & New for. Ste
3,7,52. damp copse, Tunbridge wells.

11b geminus Ste 220

June New for. Hertford. Kipling. Ste.

12b marginalis Ste 218

June w. London, not common Ste.

13b costalis Ste 6. 217.

June w. London, Ste.
July Whitlesea mere

14b signatus Ste. 219.

Aug. w. London, Ste.

14c obliquus Ste ib

July w. London, rare, Ste.

14d Emiger. Ste ib
Emaciatus Ste Cat.

July w. London, rare. Ste.

16 ochraceus Curt. P.M. 122. Ste. 223. — June New Forest, nr. Lymore, occ. Ste.

Conostamius Kolenati

17 incratus Curt. P.M. 122. Ste. 228. — 1 Aug., on in Black Park.
villosus Ste. Cat. — Tavistock & Ashburton more abt. Ste.

18 bipartitus Curt. P.M. 124. Ste. 223 — 17, 52 Fir-trees, Tunbr-wells.
obnoxious Curt. P.M. — 6. Aug: Bute
6. June Oaks, rushes &c New Forest.
P.M. 5 comb. nr. Dover Ste., n. unc.

Conostantius

19. Consobrinus Curt. P.M. 124. Ste. 222. — m. Oct. Deer Court: New Fr.
subnebulosus Ste. Cat. — m. Aug: Dover, nr. Lydd. Ste.
6. June Dorset, nr. Poulner out of Birch tree

Conostantius Kolenati p. 8. pl. 1. f. 5.

20 vittatus F. & S. Sup. 231. 16. 172 Pictet 157. 11. 16. 22. — m. Aug: Dover
Ste. 225. — m. Sept: Farnboro', nr. London rare, Ste.

21 terminalis Curt. P.M. 122. — June Ste.
Pyra Hay.
6. m. Aug: Bute & arrow amongst Heath

variabilis Ste. Cat.
v. flava Pict. var.

22 centralis Curt. P.M. 124. Ste. 227. — 6. in Aug. Bute & Arrow amongst Heath
picalis Ste. Cat. — June & July nr. London, Ste. Fir-trees Tunbr-wells, S. C.

23 Sparsus Curt. P.M. 123. Ste. 226.
nubilus Ste. Cat. — 6. June hedges Bagley wood, New Forest, & June. Gl. Worth
6. Aug. Bute.
June [illegible], Cowgill, Nutcrow
in marshy ditches across London.

24 Canonus Curt. P.M. 2. 123. Ste. 225
colorinus Ste. Cat. — July, Scotland.
White Cross mus. Ste.

25 Vinculum Curt. P.M. 24. Ste. 222.
inoculatus Ste. Cat. — 6. June New Forest
July nr. London, Ste.

26 Anatolia Ste. M. 6. 224. Kolen. p. 9. pl. 1. f. 10.

26 Luridus Ste. 230. — m. Aug: Arran
24 June Hanging
Sept. nr. London, Ste.

Oligostomis Kolen. p. 80 — Oligostricha Pict.
males Pict. E. f. 2. 75.

27. nervosus Lea. Sam. J. 3. Ste. — 6 Aug. 3 Sept. about rocks Lorne, Tour, Kenmore, Ben Lomond, Ben Cruachan, Ste.
Stricta Pictet — May Wansley places
nervosus Lea: nervosus Steph. — m. Oct. in abund. sides of rivers New Court, in trees Gl. Worth, sides of rivers nr. Sandwich
Oligostomis Ste. M. 6. 228 — Kolen. p. 68. pl. 1. f. 11.
8. digitatus Steph. Pictet 135. 11. 7.
radiatus Lea

May Wansley places
m. Nov. feed on the Spent Bourses Mr. Neilson & in Capel
6 m. Oct. Apple tree Gl. Worth, Isle of Wight, on Sallows Dowd's mead & bank of Avon, New Court. S.C.
Autumn, on alder nr. Derby, Ripley, New Ste.

29 ~~[illegible]~~ Curt. [illegible] — m. Oct. windows at Cobham Surry, Miss Medlicott
Rams. Cat. — Aug. Hythe & Albury, Surrey, Ste.
Pantherinus Pict. — Ste.

Neuroleilay Kolen.

30 Pilosus Curt. P.M. 2. 125. — Halifax Revd. B. Reade 11th m. on Mullein Cephoc. 29th Apr. 46 Haye.
m. Oct: Pasley Copse.
May: on post Gl. Worth. 10th on the house Gl. Worth. 29th side of pond Hounslow
6 July Bordeaux c. 30 June & 1 Aug.
Aug. nr. Rotherham, Ripley, New Forest, Ste.
anomalus Ste. Cat.
v. stricta Pict. Linn. Trans. 20. Remun. mandibs Pict. l. pilosus Ste.

31 ~~Leuroleaeus C.~~ autumnalis Curt. P.M. 2. 125.
confusus Ste. Cat.
v. Pantherina Pict.

32 stellatus Curt. P.M. 2. 125. — Sept. Gl. Worth & C.D.
v. nervosus Pict.

22c fraxinetorum Ste. 227	July nr. London, Ste.
22c elongatus Ste. id	July nr. London, Ste.
22d fuliginosus Ste. id.	June nr. London nat. rare, Ste.
22e nitidulus Ste. 228	June nr. London rare, Ste.
abdominalis Curt	v. dug. Bute.
20d fraxinus Ste. 226	July nr. London rarely, Ste.
19c notatus Ste. 224.	June nr. London, Ste.
19c subtrigonus Ste. id	June nr. Hertford & nr. Lond. Ste.
23c flavus Lim: F.E. 1502. Pictet 156. pl. 10 f. 2. 1502 Kolen: p. 50.	June New. For. nr. London Dec. abund. Ste.
20b nigricillatus Ste. 225. elegans Pict 15. pl. 10 f. 3 cineda Ste. cat.	Sept. nr. London, rare, Ste.
22f pinorum Ste. 223	June nr. London rare, Ste.
22f flavescens Ste. 222.	June nr. London, Ripley, n.c. Ste.
23c fuscatus Ste. 220.	June Hertford, occ. Ste.
23c tenebricus Curt. P.M. 123. Ste. 222. confluens Ste. Cat.	July nr. London, N. of Eng. Newton Devon. Ste.
24c funestus Ste. 221	June nr. Hertford, Ste. July
25b elegans Curt. B. L. pl. 488 f. Phil Mag. L. 123. signifer Zett. 1063, q. Kolen. 46. discoidea Fall. Mem. albomitatus Ste Cat.	1 June 2 on alders by Denny pond, New Forest. S. G. D, & Weaver
25b Anatolicus Ste. Brisous Ste 6. 231.	
27b testacea Gyll. 2637. Pictet 135. pl 6 f. 3. Curtis Curt. P.M. 124. planus Ste Cat.	July & Aug. Hertford, New for. Devon. Ste.
27c annulata Ste. 231 pl. 34, f. 3.	June, Devon rare. Ste.
27d flavipennis Pict 133. pl 11 f. 8. Ste. 231. luteicornis Ste Cat.	June Devon rare, Ste.
27e nigricornis Pict. 130. pl. 6 f. 4. Ste. 232. fuliginosus Ste Cat.	June nr. London, not com. Ste.
27f dubia Ste 232.	June nr. London not com. Ste.
29c pilosus Pictet 134. pl 6, f. 2. Fab: Ol: conjugatus Ste 6. 209	Aug. Devon. Ste.
31b striata Pict. 132. pl 6, f. 1. Lin. Fab. lateralis Ste. 6. 210	Aug. nr. London & Devon. Ste.

Arcturus Cust. B. E. 336. [illegible]

Sparshalli Cust. ib P. Ac. 336. [illegible] 1852 in a lane with [illegible] on the trunk of an elm [illegible]

Stilpnotia denudata Haw Mon. Eu. Lepid. 335. Kentucky Cab. S. America

stellatus Curt. P. III. L. 125. — Sept. Gl. Wootton, J. G. D. w. London, Sof. W. & Devon. Ste.

748. Chatophryx Ste. Ill. Maud. v. 6. Kolen. f. 71. fl. 1. f. 11. 234.
ovevis & brevipennis Curt.
1. villosus F. E. S. Suf. 200 n. 6-7. Pictet 139 fl. 7 f. 3. Ste.[2] — July w. Hertford. Ste. not uncom. n. Lond. Ste. Aug.
2 tabanidinus Pictet 140 fl. 7 f. 4.
villosus F. E. S. Suf. f. 200. n. 6-7.
eclinatus Lea — May Manby place; Sept. in abun. at Hume w. of Moore's River off Mupria Gale & alibus, some pairs; Oct. G. C. Wootton, a pair ledges, Shottesham, Halifax. Ripley, Guildford Hertford, Camb. Suff. Ste.

749 Neuronia Lea. Ste 6. 234. — Nathumophorus Kolen. 60. fl. 1. f. 7.
fusca L. S. 1500. Schr. f. 168, 2 & 3. Ste. ib. fl. 34 f. 2. — May in a wide of Cotton at Hills n. Cheltenham, and Bicester.
not of Pictet or Kolenati & M. S. in Pictet Mus.
May Hampstead Heath. J. C. 15th. flying in abundance in a circle by Hedges. New River Stephens. 9th. 7 of them in grave in fit Kolenati.
quinquenus Schr.[2] — 27th Aug. Surbiton, Surrey. A. H. H.

750 Phryganea L. Ste 6. 205. — Cuv. R. A. 2. 592. — Trichostegia Kolen. 84. fl. 2. f. 17.
f. grandis L. 1285. Schr. f. 109, 3 & 4. Reaum. 3, t. 14, f. 4. Rossi v. 2 fl. 17 f. 4. Pz. 94, 18. Delg. 2. pars 1. f. 507. fl. 13 f. 1. — May 6th Hume & in a Plantation Hampstead, common not w. Darent Wood amongst Rocks in Cumberland, Mr. Marshall. n. July in cop. on palings, Hedges, etc. Ste. Tweedale woods & willows in meadows.
f. striata L. — Delg. 2. f. 13 f. 1. Schr. f. 180 f. 2. — 29th n. Aug. 2 of on palings by Pond Round Chimnies, Gl. Wootton J. C.
grandis K.

Beckwithii Lea Ste. 296. Ent. Mag. fl. 3 f. 4.[5] — from Beckwith's Cabt.

atomaria F. — July, w. London.

varia F. Syst. 8, 277. 1.[2] Schr. f. 180, 1 & 2.[3] Pictet fl. 18 f. 1.
lanum. 3 fl. 4 f. 4. Kolen. f. 86.
variegata Pill.
annularis Pill. Ent. Mag. f. 558.
minor Curt. P. E. fl. 592. Kolen. f. 87.
mixta Brunn.
flavipes Ste. Cat. — c. June on trunk of a Willow, Bothwell Park & Scotland, n. Darent amongst rocks in Cumberland, Mr. Marshall; S. Ireland, Mr. Stephens; Hampstead, Mr. Stephens & Ste. — 21 July Epping forest J. C. com. Parley heath; Scotland; S. Lambeth & New forest, Ste.

751 Philopotamus Lea. Ste. 5. 107.
sphinx Pict.
cephalotes Lea. Ste. ib. — July Scotland near the base of Schechallion. June mountains of Engl. Scot. & Ire. Ste.

montanus Don 16. 548. Pict. 210 fl. 18 f. 5. — c. Sept. Eng. — squall rivulet w. Linton Co. Devon. Jul. S. Wales & Ireland, Ste.

variegatus F. S. 2. 99. Schr. Pict. 208 fl. 18 f. 4. — 5. June, New Forest. Devon, n. v. c. Ste.

751.[2] Rhyacophila Pict. — Ste 6. 103.
~~lanigiphanes~~ Curt. P. III. L. 213.
Stigma Ste.[2] 166. — c. Sept. North Devon. July w. London, Ste.
opaca Ste. ib. — June w. London, Ste.
nebulosa Ste. ib. — Sept. Gulfor. Ste.

751c. Cyrnus Ste 6. 174. — Hydroporchus Rit.

1 unipunctatus Ste ib — June nr. London, Stafford, Kirby, not ex comp. Ste. Italy

2 fulicellus Ste. — June nr. London, Hew, Jacob, London, Ste. Italy

3. urbanus Rit 213, pl 19, f 13. coquatus Ste Cat. — June nr. London Ste.

4. unicolor Rit. 218, pl 20 f 5. — June, Hertford. Ste.

751 Electrocnemia Ste. 6. 168.

conspersus Curt. P. M. L. 213.
sinuat. Pict. 219. fl 19 f1.
nigripunctatus Ste Cat.

30 May. 30 Cosmore. gang.
July Devon, nr Lond. rare, Ste.

751 b Mupacophilus Pict.
dorsalis Lea Curt P. M. 4
vulgaris Pict. 182. fl 15 f1. Step.

5. Sept: Clydesdale in Scotland
29. July on the Steam boat Loch Dergh. Devon, New forest. Ste.
Inner Lond. Ste.

751 b Lepropsilochus [illegible] Curt. Ste. 6. 170
[illegible] Curt
dilatatus mandatus Dom? 10. 548

m. e July at Glengariff, on Loch Derg & in Galway. Very common
6 June on bridge in Magdalen walks Oxford
Mr Curtis & Stephens on the river Ambleside L.C.

hellenicus C

6. June in Magdalen walks Oxford

augustipennis C.

28 June dark & out of Nor. Cross Abbey

lanceolatus C

June Ben Lawers

maculatus Lat

751 a Melanna Curt. B. E. 715. Ste. 6. 202.
nigripalpis Ste var of nest. 11. 33 f 3.

6 May with the next
June Hertford & New forest Ste. v. v.

[illegible] Curt. B. E. 716. & P. M. L. 25.
rufipalpis Ste 203.

[illegible] in [illegible] opposite Cumberland Terrace Regents Park
7 Be. May
8 Aug: a few again appeared on magnolia in front at Dudley.
July in London, Ste.

752 Chinarra Lea. Curt B. E. 561. Ste. 6. 190.
marginata L. Curt. 6. Ste. fl 33 f 49

12 July near Ambleside Rev Greenes & Chapel Bering, Wales 11th June 1832.
on the Dart nr Strickland Park S.C.D.
28 July in much Tides in the boats & on shores of pools at Castle Comel
[illegible] on the Steam boat on [illegible]
7 June at on dog stones in mountain streams by Regal hall, Westmoreland. Mr Curtis

753 Leptocerus Leach. Curt. B. E. 57. Ste. 6. 194.

Megalacide Lat.

b. niger C
nigra L. Pict. 169. fl 12 f 5.

[illegible] Oct. on [illegible] Norm. [illegible]
June & July in London at Devon, Scott. Ste.

aureus L
plumosus Schaf. 171, f 5-6.

on June on bridges & hedges Oxford. on June Cassel, Mainzing
in May. Pegate
on the mill Cordoney & sides of River
on Sept. in abundance on a bridge nr Mr Harris & at Christchurch Sept 2 on 3 inches from a
[illegible] wall at New Court in great abundance after a heavy shower Mr F. A. Barnes
28 July Castle Comel: margins of Lakes. Scott. Ste side of River, Hants.
May Marsh places
on June on palings & bridges
Sept.

3. interruptus ?
albicornis L.

fuscatus Schaf.?

6. June nr Oxford, on rushes sides of ponds New Forest
7 on Sat. fishing Regents Park

31st Polycentropus Curt. B. E. 544. Ste 6. 176.

1 trimaculatus Curt. B. E. fol. 544. Phil Mag. 4. Gen. 751, 4. cambricus Ste. Cat.	June Lowing Cod. & River Frome and Sat. & Ste. 5 July Thames River near Kew
2. multimaculatus Curt B. E. ib. nebulosus Ste Cat.	6. Aug Loch Fad in multitudes on stones above 6. July Lake of Killarney. 10. June on the side of Nidd. Grassington. Mr Cooper, Ste.
3 irroratus Curt B. E. fol. 544 8 flavomaculatus immaculatus Ste. Cat.	10. Aug 1 of Inverness July Galway 5 Sept. Cutland Crags on masses of Rock in the Moorad River 6 May Rougham. Mr London in June, Ste.
4 meniscabilis Curt. Tenuirenis Pat. Suppl. 251.	29 July in abundance on the Steam boat on Loch Dery. & on the bridges 31 } going through ~~Galway~~ Connemara 10th in abundance below
concinnus Ste. 6. 178	July, Ripley.
fuliginosus Ste 179	July nr London, Ste.
lypnhaceus Ste ib	July nr London, n.e. Ste.
picicornis Ste ib	July, Devon, Ste
subpunctatus Ste 176	June July Hartford, Ste. &c.

751c Asphelocheira Ste. 6. 179. — Hydropsyche Pict.

1. flavomaculata Ste. ib. pl 32 f 3 var Pictet. 220, pl. 19 f. 2? atomaria Selys.	June nr Plymouth, Ste.
2. unbaurata Ste 180	nr London, Ste.

751B. Hydropsyche (Curt 601) Pictet. 199.

1 instabilis Curt Phil Mag. 4. maculatus Zool 16, pl. 528, 2. atomaria Pict. (Comet?) 201. pl 17. f. 1?	May, Southgate June, July &c. nr Lond; Devon & Scott. nr Ste.
2 lunicornis Pict. 203. pl 17 f 2. autumnalis Ste Cat.	July nr London, n.e. Ste.
3 gotica Pict. 203. pl 17 f 3. bimaculata Ste Cat.	June nr London, n.w. Ste.
4 hibernica B. E. fol. 601. ochracea Ste cat.	6 June [illegible], Curt.
5 pellucidula B. E. ib. & Phil Mag. 4. 203. lata Pict. 204. pl 17 f 4. dorsalis Ste. Cat.	July comes in Perthsh. Devon & Scot. Ste. June nr Lond & nb. Ste.
6 lanceolata B. E. ib. & Phil Mag. 4. 203. marginipunctatus Ste Cat.	8 in Scotland. June Hon Lancs. July nr Lond & Mr of Eng, Pa, &c. Ste.
7 angustipennis B. E. ib & ib affinis Ste Cat.	Norf. &c. 28 June dark g out of Soy Tuam Abbey. July nr Lond Scott. Ste.
8 fulvipes Curt. B. E. fol. 601 a. nebulosa Pict. 198. pl. 16 f 11 obscurus Ste Cat.	6 June of a hedge by brook Mullen Cohoe July nr London, Devon, Carlisle, Ste.
9 venatalis B. E. fol 601 angustata Pict. 208 pl 19 f. 6.	6 Jul & c on Stevenson Loch Dery 10th g. Thiel, Avon Cottage S. E. Lambeth Ste.

5. bimaculatus L — 6. June nr. Oxford. m. June Yorkshr.
6 Sept. Lidmor wiers, Devon Cornt.
July nr. London Ste.

6. tricifornis Curt. P.M. 4. 214. Ste — Oct. I. of Wight.
June Bolsley Ste

7. bilineatus L. S.S. 1496. Pict. 167. pl. 13. f. 4. — June nr. London, Ste. n.c.

8. longicornis L. — June nr. London. rare Ste

9. L. fasciatus F. — 5 July Hampstead Heath, & London neighbd. Ste
6. c. July Blow ey & Connemara; Devon & Scotl.
m. June Sailing Regents Park & rushes in Pond & amongst fascicu-
ing. Leg. at Brit.

10. affinis Lea. Ste. 6. 198. — June nr. Carlisle. Ste

autumnalis L — c. Aug. Cockletts Suff.

12. ochraceus Curt. P.E. 2. pl. 57. Ste — i. m. June Sales Regents Park.
c. Aug. Cockletts. Suff.
July nr. Gravesend.

13. testaceus Curt. P.M. 4. 214. Ste. — 9 July beat out of Oak trees nr. Cove of Cork

14. pilosus L. S.S. 1493. Pict. 166. pl. 13. f. 3. — June nr. London Ste.

754 Ceraclea Lea. Ste 6. 193.
1. nervosa Leg. tab 3 f. 1. — 6. June, trunks of trees by river Oxford. Killarney.
1 May Putney. On the wind in immense numbers near Putney.

755 Odontocerus Lea. Ste 6. 192.
1 griseus Lea q. Def. 2, t. 13 f. 21.
albicornis Leach. Ste. pl 34, f. 1, g
2 cylindrica Pict. p. 165, pl 12 f. 2.
flora Villiers?
May to Sept. Marsh places. Putney Bridge
Scotland I. c.
June nr. Lond. abundant Cheltenham & Devon, Carlisle nr. Killarney & Hof. Ire.
July

756 Potamaria Lea. Ste. 6. 182. Kolen. 99. pl. 2 f. 25.
1 lunalis F.
Ste. 6. 183. pl. 34 f. 2.
2 multiguttata Pict.
July nr. Brockenhurst & Devonshr. n. Ste.
2. agnimilis Ste. ib
~~fuscicornis L.~~
July New. forest, Devon & N. of Engl. Ste.
28 June in immense quantities on grass by sides of Cook
Cove to Cambridge
3 hyalina Ste ib
June nr. London. Ste.

obtusus Ste. 6. 195. — July w. London Ste

nigricans Ste. ib. — June w. London Ste

ater Pit. 166. pl. 12. f. 2. Thaa Mbat. — June w. London, 2, Ste.

lepiscus Ste. 196. — June w. London, Ste.

aureus Pit. 164. pl. 13. f. 1. tarsalis Ste. bat. — w. London, Marshall's Cat.

annulatus Gmel. 2637. Pit. 165. pl. 13. f. 2. subannulatus Ste. bat. — Mus. Ste.

dissimilis Ste. 197 — June Hertford, com. w. Lond, Ste.

assimilis Ste. 198 — June w. London, n. une Ste

annulicornis Ste. 199. — June w. London, n. u. c. Ste.

H. incrassatus Curt. P.M. v. 2. t. 2. grossus Ste. bat. — 6 July Commen ar a. m. Del. side of Avon, Hants. 8 June Marshes w. Sir N. Barnes Hants

seminigrum Ste. 199. — June, Mus for Ste. July, Hatf. n.

caligiosus Ste. 200 ater Ste. bat. — June & July com. w. London. Ste.

atrimanus Ste. 200 — June, b. Ind. com. w. London, Ste.

infuscatus Ste. 201. — July w. London, Devon, Ste. n. c.

elongatus Ste. 201 — June w. London. Ste.

bicolor Curt. P.M. v. 2. t. 212. rufus Ste. bat. — 13 June Coombe wood 22 July Killarney upper Lake. Tuddington Lake 6 June rushes sides of Ponds Ness Forest. 6 June, Ripley. Ste.

H. manifestus Curt. P.M. v. 2. t. 214 — 6 Fibro, rust. S. C. 30 July side of Pond, W. Butters, w. Lifehock, Hants. 50

757 Silo, Curt. [illegible] Kolem. 101. fl. 2. f. 16. a christipodes B. Ill.
M. 6. 186.
pallipes F. E. I. 2. 76.
minuta L. [illegible] 1891.
? nigricorne Pict.

[illegible] in June on the Springs [illegible] & June in dunes in Holly [illegible] New forest. [illegible] July, Hertford, Sh. com.

757a Notadolia Sh. 6. 185. Kolem. 91. fl. 2. f. 49.
L. atratus F. Ent. 609. f. 6. Schef. 157. 5 & 6. [illegible]
Du. 1. fl. 14. f. 6.
? Pictet. 178. fl. 14. f. 5.
ciliaris Lin. F. E. 1497. q. Kolem.

6th May, on grass piece of New River, Southgate in abundance [illegible] 6 May also at Rom near Sheffield Bridge [illegible] in the grass
6 June on willows &c in Ditches Oxford

Mormonia b. 3 maculicornis Curt. P. M. 2. 215.
Hydrovantia Kolem. f. 95. fl. 2. f. 20
immaculata Sh. 189?

June Hertford & Devon. Sh.

Goera flavipes Curt. Ent. Mag. 1. 189. & P. M. 2. 215.
Trichostoma

6. June on bridge, Magdalen gardens Oxford. [illegible] abundant in Hollies on river, New forest on Land Hertf. Ripley abt. Sh

Limnephilus 2 gracilicornis Curt. 2. 258 &
hirta Fab? Sh

6. fl. Dunford, [illegible] abundant in an oak tree in [illegible] Oxford
June? Land, in [illegible] Sh; Hertf. Ripley, New F. near Oxford, Devon, Sh.

Goera ~~Sauvillac~~ b. ? immaculata Curt. P. M. 2. 215.
hirtum Fab. Pict.

in June, Q. Wortha.

758 Prosopistoma Leach. Sericostoma Lat. mem: on Hist: Tom VII page 11. Sh. 6. 184. Pictet. 176
Kolem. f. 88. fl. 2. f. 8. fl. 33.
Leachii Sh. Latreillii Nal: Curt. P. M. 2. 216
? personatus Sh. E. 2. 3. 109. dasycellatus Fab.
collaris Schr. Def. fl. 15. f. 19?
Pict. 176. fl. 14. f. 1. Kolem.
830 Fencii. [illegible] E. 3. 2884 3. 459

28 June in immense quantities on grass by sides of brook close to Cambridge E. 6. also on Hatfield Marsh. Hertfordshire. [illegible] June [illegible] abundant

759 Goëra Hoff. Sh. 6. 187.
pilosa F.
Kolem. 98. fl. 2. f. 21. [illegible]

2nd & 8th June side of river Frome, Stafford. Dorset July & Sept. Hertford, Sh.

vulgata Ol.

June on London & in Devon. Sh. com.

759c Brachycentrus Curt. P. M. 2. 215. ~~[illegible]~~ 98. Sh. 6. 18. Hydromantis nelem. f. [illegible]
subnubila Curt. b. Pict.
Berea nubila Sh. 8. M. 523. 175 P. fl. 80. f. 14. f. 3? small var? Kolem.
maculata Sh. 8. M. Berea Sh. 6. 158.

11 May Winchester, on the Rivulet Christchurch Dante in [illegible] June in Lond. New for. & Devon, Sh.

759d Thya Curt. P. M. 2. 215.
maurus b. P. M.
Marshamella Sh. 159.
nigromacula Pict. 197. fl. 16. f. 23?

6. May Rougham on grass in Poole & Thirk.

Phryganeides 4 livida b. vide neg. leg.
760.

2 & 8th June side of River Frome abt. Portland Isle July Portland
6 Sept. abundant on palings in Horse Chestnut Lay H. Marsh.

hirta F. E. 2. 80. Pictet 179. fl. 14. f. 3.

2 July Galway. 10th & very fine in house, Avon Cottage 1850.
2 Sept. [illegible] Devon Curt

fuliginosa b. P. M. 210.
albipes Sh?
minuta L? F. 2. 1591. Pictet. 181. fl. 14. f. 5 [illegible]
[illegible]

6. June Southampton
June in Lond & Hertf. Sh

? frisgueaa F? Curt. P. M.
melas Pict. 196. fl. 16. f. 21?
? varicellus Pict.

16 May com: Common [illegible] Hampshire 27th [illegible] Capel [illegible] 4 & 8th [illegible] abundant
[illegible] Bateman

759b. Mammonia Curt. Phil. Mag. L. 215. Ste. 6. 188. [illegible]

1 nigromaculata Ste. 189 pl. 32 f. 2. — Sand n. London & in Devon, Ste.

2 minor Ste. ib — Sand, Devon, Ste.

75[illegible] Glossosoma Curt. P.M. L. 216. Ste. 6. 160.

1 Boltoni Curt. ib. [illegible] Pict 189. pl. 15 f. 2? — Sand Sudbrooke

2 fimbriata Ste. 161. pl. 32 f. 1. [illegible] — Scotland Sir P. Walker. n. London rare, Ste

Brachy: 2. concolor Ste 6. 182 — Sand n. London & Devon, Ste.

3. costalis Ste. ib — Sand n. London. Ste.

760 Tinodes Lea. Ste. 6. 162.

fimbriata Walk.

inflexus Ste 162 — June n. London.

pallipes Ste 163 — June n. London.

flavicepsis Ste — June n. London.

fuliginosus Ste?

anthracinus Ste. 165. — June & July n. London.

? fusillus Ste. 81. 23 — Hang. on mos. at spring n. Ventnor on face of cliff 6. Sept. June n. London, Ste.

luridus Curt. P.M. 4. 216. — June, Hertford, com. Ste. & Ol. places n. Lond.

picicornis Ste Cat.

annulicornis Ste — June n. London, n.v.c. Ste.

pulchellus Lea

albipunctatus Ste. — June n. London, p. Ste.

nigripunctatus Ste

obscurus Ste — June n. London, p. nne Ste.

761 Hydroptila Dalm. — Kolen. 104 pl. 3. f. 29 b. Step. 6. 151.

1 Tineoides Dalm. Act Hol. 26 1 f. 6. Anabola f. 26. f. 3. — June, Walles n. Lancaster.

flavicornis Pictet. 225. pl. 20 f. 11. — July & Aug. Hertford, Ste, com.

3 costalis Phil Mag. 4. 217. — Aug. Idae n. Lond. Ste.

2 Vectis C. Phil mag. 4. 217. — July on the wet moss covering of spring n. Ventnor.

brunneicornis Pictet. 226. pl. 20 f. 12. — June n. London, ccc Ste.

1 ~~Leptocerus C.~~ Lacus Phil Mag. 4. 217. — July Scotland.

pallidus Pict. Lepto. 224. — June Hertford. Ste.

calceatus Dalm.

5 annulicornis Curt. — 22 June took 2 on the front of the Inn at Hornsey.

762 Acentropus Curt. B. E. 497. March 1834. Ste. 6. 150.

Garnonsii Curt. var: δ Ent. Trans. 1. 118. — June Scotland: Croydon Grand Di. Leach. Dale & Bird n. Reading, Berksh. Leper Murney n. Colchester. Rev. W. L. Garnons.

nivea Oliv. Enc. Met. v. 16 Step. 6. f. 150. — Lat. Hist. 13. 93. Lancle Hansmi Ste. f. 549. — 5 Aug. 42. Ventnor I. of W. came to Mr. T. Leighton's Lamp. Aug. Hampshire: T. Bond

760b Antycira Curt Phil Mag: v. 4. 216. Ste. 6. 159.

2 gracilipes Curt. 216. — July Hertford. 10th 8, Avon, Hants.

1 phacopa Ste. ib — June Ripley. Ste.
tomentosa Piet. 189. pl. 16 f. 9.

3 latipes Curt P. M. — c. June Ripley
unbicuracea Ste. 160.

4 ciliaris. Ste. ib — June Hertford.

760c Agapetus Curt Phil Mag. 4. 216. Ste. 6. 156. — Rhyacophilidae Piet.

1 fuscipes Curt. ib ♂
lanata Piet. 194. pl 16 f 18. — 28 May, June Sowe, Wilton. 8 June, Stafford. 28th out of Dry Cwarr Abbey. New forest, Devon & Ripley, Ste. 8 Aug, side of brook, Milton Heath, S. Devon.

2 ochripes Curt ♀
5. laniger Piet. 195. pl 16. f 19. — June, Walsham meadows nr. Ripley & Hertford, Ste.

4 Plorata C. Mss — m. Aug. arran

6. comata Piet 193. pl 16. f 17. — June in Ripley.

3 funereus Curt. Ste. 156. — July Scotland. 2 June Hoffo d. nr. Exmore quay. Devon & nr. London Ste.

7. setiferus Piet. 197. pl 16. f 21. — June. Hertford.

760e Agraylea Curt Phil Mag, 1834. v. 4. 217. Ste. 6. 153.
Hydrorchestrica Kolen. 103. pl 3. f 28 ♂

1. 8-maculata Curt P. M. — m. Sept. Lisson Grove.
Kolen. p. 103.

2. multipunctata Curt ib. — 17 July Chetfair River. 3 abund. on rushes, side of river by Guildford. Scotland

760d Narycia Ste 6. 154.
1 elegans pl 32 f 6. — c. June palings St. Lambette, Ste.

Lymantria Hubn.
Hypsagnuma Hub.

Liparis Och:

Porthesia Steph

Curt. 367.

Dinacia L. Don: p. 227. Stephens 2. 14. — Jul. on Lepidium & Brookline, Trunks of oaks. Park
Hew 101.
Curt 1 & 367.
& Aug: Palling, Costessey Norf. Epping, Black Park & Stoke Poges Bucks
Beaut

Cat. June Oak & Bramble. Pinus sylvestris. Pyrus malus.
& Aug. Trunks of Oaks New Forest, fell fed 20 June, on beech apple & oak.

Dasychira Hub. Laria Schr. Lat. Germ. p. 2. Orgyia Och:
pencilled paunch, powder puff

fascelina L. Don: 6. 576. Hew 102.
medicaginis Hub. 2. 2. 81

m. Jul. Woods. 17th bed g.

exp. 8th June on heather sort. p. Stephens.
Cat. May. ~~Brown oak~~. Broom. Hut. Dog Rose. Hawthorn
Trifolium pratense. Leontodon. Plantago. Rubus fruticosus
& June Woods
& June Trunks of trees Rum. Hants

indibunda L. Don 5. 100 g & Larv:
Stephens 2. 17 & 18. Hew: 103
Populandes Hub. 2. 2. 82 & 85.

Cat. Sept. Oak, Beech, Hut & Hol. Feed Hol. & Hawthorn. Rare
& Aug. Woods & Hedges on Sussex Downs. Very numerous quantities in France

Demas Steph. Colocasia Och. Saufidia Hub. Apatele Hub.
L. Sp.

Coryli L. Don 9. 309. Steph. 1. 17.

& Aug. Skirts of woods
5th m. Jul. & 29th Jul.
1st pupa May
2nd stage Jul. & D.
Cat. m. May. Sept. Hut. & Birch. Moths up on the leaf. Hawks
5th July. end & brood.

Orgyia Och: Notolophus Germ: p. 35. Curt 378.

antiqua L. Don: 1. 10. Steph. 2. 23 — Jul Gardens
To
Oct.
g. 2. 2. 50.

Cat. Aug. Oak. Sallow. Plum. Black & white Thorn
& Aug. Trees. very. Unimpregnated eggs hatched. Kenrick, Zool. 2. 683

gonostigma L. Don 9. 310. Curt. 8.
Zoologist. 1. p. 10 & 2 Larva

June Coombe n. Lewisham. Crith, Green lithe. &c.
To
& Aug:
Oct.

Cat. May, to Sept. Rosa canina. Fraxinum. Megatelles
oak & birch, hawthorn, apple & broad on stalk of Dwarf. Ash, fed at night
fed & May

Laria Steph. Orgia Schr. Lat. Curtis. Germ. & Fab. Arctornis Germ. p. 18.
L. Sp.

cœnosa Hub: Curtis 68. g & Cat.

July. Whitlesea Mere 1820.
Aug.
& Thetford Norf.

Cat. July. Aug: on Butomus umbellatus. Schœnus nigricans.
June Burnt red & Common red, Bord

Leucoma Hüb.

Salicina L. nivosa Hub. 2. 2. 2. 4 & 5. 1. 1. 1. g.

n. Aug. Lime Trees near Dam. Bromley Kent & Greenwich.
& Peckham, fed & K. Hills.

Alsophila Och.
Aescui L. Don. 1. 90. Steph. 1. 4

Cat. June oak. Lime. Beech

Cat. Willows & Sallows & Poplars

Cat. June &c.

Voyez Suite à Buffon par Lamarck & Latreille. Shawcat Ann. S. E. n.s. 5, 143 & 453. Index v. 5. p. 577

Hardy's species in Synopsis Nat. Bi[illegible] Zool. 2812.

Order XII Homoptera

1042 Coccus L. Ent. B. 9.717. Mus Ludovicus p. 36. — Kermes Ent Mag. 1. 217 — Ent Transf. 1812 p. 237, Mag. 122. — Kermes Guy. Nutter 4 p. 2184 Coccus

Abietis Lat

Aceris ? Ent B. 9. 11. 717 L.

On May or Acer Pseudo-platanus, Kensington. J. O. W.
Insect full grown
[illegible]

Cryptococcus Ent. B. 3. 222.
Adonidum L. S. N. 2. 740. 4 Gmel. 2215. 23 Fab. R. 307. 4.
Cochi. des serres Geof. 511. 1.
Coccus Lamarck.

On Aloe trees from Senegal on Camelias, Canes & Coffee

Alni Gmel ?

Betulæ L

Buxi L
Ann. S. 3 p. 218, f. 13.

May

Cacti L S. N. 742. 22. Gmel. 2221. 2. Fab. R. 311. 27.
Deg. 6. 447. pl. 30 f. 12-14.
Coccus Lamarck. Ann. S. 2. Ser. v. 5 p. 493.

On cactus Opuntia in Hot houses.
Jamaica, Guatemala & Mexico.
Dec. 8 in Hothouses in Paris

Capreæ L S. N. p. 741.
rotundus Salicis Deg. v. 6. p. 448 pl. 28 f. 13-14.
nivalis & villosus Reaum. Ins. 4 pl. 3 f. 1-5.

May on Salix viminalis & Salix

Carpini L

Coccinellus Reaum.

coryliformis Gmel ? L. S. N. 2. 741 n. 37. Geof. 3. 335 [illegible] 29.
Geof. 1. 509. 17. Reau. 4. 25 f. 5, 6.
[illegible]

Beginning of August, eggs
on Aug. on the skin of apples in abund. & in a leaf: there were 5 or 6 white eggs under each

Corylli L 741. 10. Geof. 507. 10. Reau. 4. 23.
Corylaccio Lamarck
Pertusa Fons. Ann. S. 2. 3. 216 f. 4.

On the hazel

May May on leaves & stalks of Corylus Hamamelis & castanea

Fragariæ Gmel ?

fuscus Gmel ?

Hesperidum L. S. N. 745. Fab. R. 306. 1.
Ent. Tr. 1812. p. 307. Ann. S. 2. 3. 208
Reaum. 4 p. 28, 29. Mem. Acad. Sci. de Paris 1692 & 1694.
Lecanium Lamarck.

On citrus, orange plant in Hothouses the white year
May on Oranges, with the young. Cultivated, London

Vitis Gmel ?

Oxyacanthæ L

arborum linearis Geoff ? Ent. Trans. 1. 176.
Scale on Coniferous trees.

6 Apr: in abund on cutting of an Golden Pippin tree Chelsea

5.L.95.

Species incl. G.C. 3. 143.

× Nerii Boudie. Lg. C. 3. 588.

× Bromelia Boudie. N.D. f. 20. Cat. G.C. 1. 131.

× Larici Boudie. Cat. G.C. 4. 798.

× Betulæformis Cat. G.C. 3. 517. Man on Hot house plants.

× Dolicæformis Cat. G.C. 3. 805.

Phyllæformis Collin. numbers of specimens in Mosgrave

Persicæformis Sent. Ribes sanguineum, collin by Mr. Hf.

Persica F. 307.5. 506.
Persicus Elaeagnus Geof. 4. 1. 13 Ls.
Reum. 4. 5. 21. f. 4. pl. 2. f. 1 5. Dum. 2. 1. 2. 307. pl. 3 & f. 6
Persiccus Dumort.

On the Peach, Mulberry branches, Vine & Elaeagnus angustifolius.

Phalaridis L. 1. 742. 20.
Radicum graminis Fons Ann. 3. 212. f. 8
Coch. du chiendent Geof. 512. 2.
Coccopsa Dumort.

Until microstones & at roots of Festuca ovina. Dog's grass

Pilosellae L.

Polonicus L. 741. 17. Geof. 504. 1. Reum. 4. 143.
Porphyrothecae Dumort.

at roots of Hieracium pilosella & Strawberries. Lim. Tr. 12.

Quercus L.

Salicis L.
Salicis Mag. Ann. S. E. 2. 7. 47. pl. 2 No 3.

On inside bark of Salix alba in Leith

Serratulae F.

Tiliae L. 741. 11. Geof. 507. 9. Reum. 4. 143.
Philyroleca Dumort.
Ulmi Gr. Mel. Reum. 4. 82. pl. 7. f. 1-10.
Geof. 512. 3.
Coccophelia Dumort.
Uva-ursi L.

on the Lime

At the forks of Elm branches

variegatus Gmel. Ol. 7. 1. 1. 1. Reum. 4. 165, 143, 4.
quercus Rum. 7. 15. Geof. 508. 12.
Dryocecis Dumort.

On the Oak.

Vitis L. Fl. 2. 721. 16. Bor. 2. 310. 24. Ent. Ann. 8. 2. p. 307
Reum. 4. p. 62, 146 f. 5-7. Cut. Mag. 2. 510. Ed. Reum. Geof. 506.
Crataegi Fab. Zmpelocecis Dumort.
mespili Fun. Mer. Reum. 4. 62. 369. pl. 6. f. 11. 12.

Summer on branches of the Vine. On Chestnut & Fig lodged in cracks of the bark. May.

1023 Dorthesia Bosc

cataphracta Kaw

Found in moss. Roots of Sphagnum in Perfect. R. Campbell.

conchiformis Lin.

Pelelium fagi L.

floccosa Delf.

Found Linnaeus 3020. amongst moss.

in Oct. Hastings. Lovers' seat. J. Walton.

Orthezia Lam. Characias Bosc 171 pl. 1 f. 2. Ness. M. 6. pl. 1 f. 8 9.
dubia F. 35. 21. Fab.
Vitis L. 733. 30
cuniculomis Cust

in Sphagnum fairstead, Bogs St. Faith's Newton Norf.
8 16th July 47 sweeping Cosmore Lung, Dorset.
On Dryobolbia Characias, Nettle, Currant, Cocoanut in frame
on Cyrium [illegible] Rumed.

Aspidiotus Bouché

a Nerii Bouché H.S.L. 12 f.1-5. G.C. 3. 588. — Many Green houses. Chiswick

a Rosæ Bouché S.B. Burm. 68.3 — on Roses.
Aspidiotus Rungot.

n Bronelia Curt. G.C. 4. p. 131 f. 1 — Get green houses Highcliff.
Lecanium Ill. Burm.

a Schimperii Bouché

Ulmi Bouché

Lucerne Elm Curt in an Orchidaceae. — 2 Aug 42 myriads winged & apterous under leaves of Oaks, growing out at Lord Ripon's Putney heath

Palmarum Bouché

Pastinus Curt. G.C. 3. 576. — Many Stove leaves

Ulmi Linn S.N. 720.9. Deg. 6. 436. 1. fig 28 — On the Elm.
Geof. 597.8.
Phlœocœus Rungot.

Testudo Curtii Gard Chron 3. 443. — Many on exotic Plants Chiswick,

1243a Trechocoris Curt. Gard Chron 3 p. 444. Running bugs. Coccus Bouché p. 18.
Intercalatus Bouché Ins. p. 8 pl. 1. f. 3.

1044 Aleyrodes Lat. — Aleurodes Amyot.

Proletella L. 889. 375. — Upper underside of Honeysuckle leaves in woods w. Glybocida; larva & pupa, J. Haid.

Chelidonii Lat. — Burm. 83.1; 11 f. 1 (larva). Dist. f. — Lower under surface of large leaves [illegible] w. [illegible]

Reaum: 2. 302. pl 35. f 1-7. — G. B. 6.836. — Myrica Gale; bred from pupa the larva of Sesamus

immaculata Ste — pupa upon the larva of the Aleyrodes

bifasciata Ste

[illegible] Ste is a Coniopteryx

dubia Ste ?

1045 Lachnephantes Curt. in Grad Claron: 4.831. — [illegible]

Abietis Linn. wide of Aphis, large

Pinicola Ste is a coniopteryx

Lacunae Amy: Ann. S. E. 184[illegible] p. 483. — Thelaxes?

dryophila Schr. — Hal.

1046 Eriosoma Leu.

Populi L. — in excrescences of leaf-stalks of the White Poplar.

G. B. 1. 828

Fagi L. — May underside of leaves of Beech-trees

G. B. 1. 828

Eggs cov'd with cotton

Ribesaria L. — Reau. 3 pl 26 f 8-9. — 28 July galls of Poplars on Currant & Currant leaves

Populi G. B. 1. 828. v. 4. 164. Curt.

Ulmi L.

Pemphigus Ulmi. — 30 June 45 in g. tubular cases on Elm leaves

Lepeletier Delg. — 3 July 47 out of curled Poplar leaves

Ulmi Delg. 28. 14 pl 4 f 15-17. Reau. 299 pl 25 f. 1-7. — In the galls of Elm-leaves, "form of protuberances on g. footstalks round it of g. leaves, somewhat resembling galls."

Stramina Ram. G. B. 1. 828. O. M.

Tremulae L.

Lanuginosum

Lucerne Ste — underside of Oak leaves.

G. B. 1. 828

Myzoxylus Klot. — Lanigera Ill. — Trees. Apple trees

Mali Bing

G. B. 1. 828 v. 110 Curt.

Urticae L. — in June

in May

in Apr.

in Oct. after rain

Cratægi Ste

Alnetis Ste

Pinetis Delg.

Salicida Hal. Ann. N. H. 2. 189 — Leaves of Mountain Elm

Grossii L.

1? Phyllyrea Kal. Sal. Mag. 2, 19.

2 May on Phyllyrea gracilis D. Mollin, at Gaillon, 27th Oct. & 6. Nov. under leaves of V. in mattolendes, Highcliff, Miss Stewart. in Sept. on mangrove Cake. Hythe Church yard.

Aegrodes Lonicerae Cont.

27 May conc. on underside of [illegible]

1026 Atheroides Kal. Ann. N. H. 2. 189.
Glyceria Kalb. Mon. Wlk. Mx A. 2. 53.
Corrulatum Kal. ib. & Mag & Ann. 2. 47.

Sum & Aut. on leaves of Glyceria fluitans, Wlk.
Autumn on grasses, sea coast & occ. on D.

Buso Kal. Wlk. Mx A. 2. 56.

6. Oct. sea shore, Flatwood on Lycopsis arvensis, Newcastle on Carex arenaria & Belfast.

Eriophori Wlk. ib.

16 Aug. on Eriophorum vaginatum, in a pool 1500 feet high in Wicklow. A. D. W.

2. Hirtellus Kal. A. Mx & Mx A. 2. 45.
Littoralis Wlk. ib. 2. 44.

Autumn Sonchus arvensis, Holyrood & on grass at Lancaster.
Autumn on grass, muddy seashore, Lancaster Wlk.

3 hispidus Cont.
Cyperi Wlk. Mx A. 2. 45.

28 June 42, two off of Iris on Lower Abbey walls
Autumn on rushes, Belfast, Hal.

1026 Phyllyrea Fuck. Ann. Nat. 2. 217. [illegible]

~~1 Robiniae~~
Quercus B. Fons. A. S. 8. 6 fl. 1. 1 & 4 c.
coccinea Hugd
Quercus-olii Cont.

6 Aug. Eaten Oak leaves at [illegible] Kew

1026 Lecanoides Pallot.

[illegible] 5 [illegible]

1 Larices Pallot. MG. Ed. 1796 & 1828, O. M.

on branches of if Larch.

1045 Lachnophanes Cont. Elatistes amyot. Ann. S. E. 1847, p. 285.

Coccoma 2 Gallarum-Abietis Delg. 3. 94. fl. 8, f. 13.
Thomas Abietis Linn. F. S. no 1011.
Cedrus Rafn. Cedrus Kalb.

6 Aug. in abundance, issuing from the coniferous galls on the Spruce fir

Pinetii Delgeer.

28 Sept. 4 [illegible]

Pini palearum Linn. Delg. [illegible]

Coccus laniger Sc.

28. May 42.
If Lime Lf. 3 unique gs taken off Potatoes at Kew had infested with gnats & young by 7 p.m. of the same day.

Stigma Cont.
Hermaphrodite flower with a white bean across it at base

13 Aug finding Bug for bridge. 20th Sallows, Bean made 1852 Brown Down.
7th Oct. myriads at 5 p.m. flying N. E. Birches by Merry Lane Hands

♂ ♀ afterwards - ♂ ♀ winged

Praxini ♂♀

1027 Aphis L. Eul. 6 & 577. G.B.2.2. R.A.I. 3. inf.
Phil: Trans. D. Kilmadock
a. Prunii F.R. 296. 14. Delg. 3. fl. 2 f. 1-13/8
Kram. 3. t. 23. f. 9. 10. G.B.1. 684.
They are bright magenta, with a very fine powder resembling.
Pomi Lat. Delg. 3. fl. 2 f. 18-23. Eul. 173.
Mali F.R. 298.
G.B.1. 684.
Oxyacantha Schr. 3. 116.
Juniferi F.R. 300. Delg. 3. fl. 2. f. 1. 9. Hb.
Juniperi ♀ dung

Ribis L.
[illegible] fl. [illegible]

Millefolii F.R. 296. Delg. fl. 2 f. 1. 6.
Achillae Aphis Amyot.

a. Rosae L. F.I. 982. Delg. fl. 3 f. 1. 13
Kram. 3. t. 21 f. 1-4. Donov. 2 spec. fl. 18 f. 1-3.
Gnid. Mag. 1. 628. Phil. Trans. v. 61
Dipsaci Schr. - Aphis Amyot.
Salicis L. 995. Linn. Tr. v. 1. 94 t. 5 f. 1. 2. . . . .
Kram. 3. t. 22 f. 1. 2. Delg. 2 f. 10-13.
Salicifer Amy.

a. Ribis L. F.I. 983. Kram. 3. t. 24. . . 3 t. 22 f. 7. 8.
G.B.1. 628. Eul. 173.
Ribicf. Amy.
b. Cardui L. F.I. 988.
G.B.1. 628.

Absinthii L. F.I. 990. Linn. Trans. N.H.2. 202.

Euonymi F.B.1. 214. 21.
G.B.1. 684

Avenae F. 214. 22.
Hordei Kyber
cerealis Kalt.
Bromaphis Amyot.
b. granaria K. Linn. Trans. 6, p. 238
the Dolphin. R.A.I. v. 6. 504, UN. f. 10, 11.

Pomi Scop. Pab. E.I.L. 216. 28.
G.B.1. 684

Tanaceti L. F.I. v. 989. [illegible]
G.B.1. 684.
3 species inhabit. the Tansy.
Papaveris F. E.I.L. 218. 38

Urticae Schr. 1186. Linn. & Mu. N.H.2. 427.
Urticifer Amy.

Pyrus Cydonia in Linn. Eul. Sy. 10, 157. Pyrus arcuata Aix.
Pyr. Cydonia in Linn. Tr. v. 1. Lat. for Eels & Nov. 1833 - Pyrus. 119.
[illegible] Plum
3d July, winged on Plum-tree, Loseley
on Pears.
3 June leaves of Pyrus trees winged
May under Apple tree leaves

[illegible]
on May ♀

May of Vicia
June

Autumn on stems of Yarrow & Sweet Marjoram. 29th Aug:
Y. June 27 on Meadows, Guildford, only afterwards
to
Nov.

They are very small afterwards upon Roses: [illegible]
3 July
11 Aug. off Lauriformis
It lives the mild winters & multiplies b. Feb. - & c. Mar:
on Apr. ♀ willow shoots

June Rose Currants.
July
May under the leaves of red Currants in many stages; a few winged.
Oct 8. & 9.
m. July ♂ ♀ Battersea. 16th ♂ ♀ on Thistles, Gl. Mort.

1 July 42. off Wormwood Newchalk Meadows, Sol. W. ab.
June & Aug. on Artemisia, Tanacetum & Balsamita vulgaris

[illegible] of Euonymus leaves, Collstone hall Sir C. Mosley.

3 July ♂ grass, prefers the flowers of Secale, Triticum, Avena, Hordeum, Bromus
Poa, & on Polygonum Persicaria.

6 July on wheat, Barley & oats. 2 winged, many nr. Loseley & Guildford
16 Aug. 45 ♂ ♀ on wheat ears, Cranford
[illegible] species in the Wheat, Kew.

8 July Guelder rose & Wayfaring tree

3 July young Tansy shoots; ♂ ♀ abund. by river Guildford. I. G. a few winged

[illegible] Aphis, Geran. Robertianum, Mentha sylvestris & [illegible] & Heracleum

Pemphigus Gard Chron. q.	
Lachnus Curt. Mosley, Westw.	
	Aug: destroy? entirely the Lettuce by feeding on roots. 1 Oct. Roots of Lettuce in q. abund: causing crainies contort. in q. Lower & medium a sickly appearance in q. leaves. 1 Oct.
	Otherwinged
Persicae Monn. E.M.3.415. Ann. Sci. Nat. ing. 1.96. Monn. note for Pemphigus	1834. In Autumn immense swarms in Belgium.
Amygdali persicae C.M. G.C. 1.684. Curt. p. 172.	May, on Peach trees. 25th winged & attends J.C. Fromies. 27th attracted by it in gardens, but on the Sloe in hedges it [illegible]
dirhoda F.W. Ann. N.H. v. 3 p. 43.	Spring & aut. on Roses, migrat. to corn & grass in summer fix. on gt blades. Parasites Aphidius Rosae, Allotria. Asaphes anea, Megaspilus Carpentar.
[illegible]	Winter q. under Rose leaves. May & May q. Oct. Nov. E. c. Aug: aut.
Lathyri C.M. G.C. 1.684. the Green Dolphin. Monaria Schr. F.B. 2.1.111.1221. Ann & M.N.N. 2.421 Cnolophis Bms. Ann. S.C.B. 169. q. - Rosi Kalt. Di rosae C.	Sweet Pea & c. leguminous plants, & c. 31 in number. May q.
	Force of Dispersion Aug
C. A. Lonicerae C. Mosley G.C. 1.628	Stem & underside leaves of Woodbine c. May & C. swarms on flowers & leaves of Honeysuckle
" Corylli C.C. 1.628.	c. May q. scarce on Hunt Cushes, Hornbeam & Ash. c. Apr. q. 1/2 May 1/2 on Hunt-bushes J.C. q. 8 July 5 q. on hazel leaf. Bordeam. Oct & Nov q.
" Dahliae C.M. G.C. 1.628	on involucre & flower & stems of Dahlias
a. Ligustri C.M. G.C. 1.628	m. Aug: In myriads on Regent's Park on the Privet, they were all apterous. J.C. & many found.
Ribes nigri C.M. G.C. 1.684	c. May Black currant
28a Humuli Curt. G.C. 6.235. Ent. Mag. 1.222. for the history.	12 May the first appearance on Hunt, Surrey Fareham & Worcester 7 July. It lives aboriginally & permanently on the Sloe, J.B. [illegible]
Pisi Curt. apterous very large & bright green	17th June [illegible] on Pea in twines & Lying Peas, Vetches, all apterous 5th July winged on do. & also on the Broom.
" Abrotani Curt.	on Aug. Wormwood in Garden
Hieracii Schr. F.B. 2.121. - Ann: 3.27	on Hieracii, Crepis, Carduus, Lactuca, Ballota, Cichorium & Taraxa
Bellidis C.M. G.C. 1.684	In Spring on Daisies. very similar to A. Viburni.
Asteris F.W. Ann. 3.28	Sept: on Aster trifolium, nr. Lancaster & Belfast.
salignus Sulz. Gmel. 1.2209. Wlk. viminalis Fonsc. Ann. S.E. 10.184.	in Sept to c. Oct. abund. on Willow shoots.
submacula Wlk. A & M. 2.104	Sept Portlaw. J.C.B.
Rubi Kalt Mon. 1.26.12. Ann M.N.H. 2.423.	c. May on Brambles, Germ & Scotch Briar. J.M. Oct. on Raspberries. Brown

Tribe II Geophilliei

1 (1). Antennes de 6 articles.

2 (3). Dernier article des antennes mousse, plus long que le précédent. Rhizodius.

P. Loselle Brunn.

3 (2). Dernier article des antennes pointu, beaucoup plus court & moins gros que le précédent. Forda formicaria Heyd. Rhizobius rosea Hart.

4 (1). Antennes de 7 articles, le dernier très petit.

5 (4). Tarses postérieurs longs, d'un seul article

Tramia

troglodytes Heyd.

6 (4). Tarses postérieurs de 4 articles. Paraleptus cuniciformis Heyd.

Vide Gard. Chron. v 9. p. 420 for Genera & species of

Paraleptus Fauv. cuniciformis

Tramia troglodytes Heyd. (radicis Kalt.)

Forda formicaria Heyd. Rhizobius Hart.

[illegible]

[illegible] Brunn. P. [illegible], P. [illegible] Brunn.

subterraneus Kalt.

[illegible]

[illegible] Beta [illegible]

Arcturus Cust. B. E. 336.
Sparshatli Cust. ib P.

Trichocercus Steph. Trichetra Wied.
Ste. L. 386.
7th day: 1829 in a lane w. Hanning on the trunk of an elm near another inc
Eat. mistd. Wolum.

Stilpnotia
denudata Haw. Mon. Ent. Fraser. l. 333.

Kentish's Cab.
Pomeria

1. (18) Homélytres à cubitus (f. 90, 91 f) bifurqué — subdiv. 11 Gradipèdes
2. (15 — — — — — (f. 90 f) deux fois id. id. bifurqué.
3. (14) Antennes de plus de 5 articles
4. (13 — 7 articles, ordinairement aussi ou plus longues que le corps.
5. (12) Dernier article des antennes obtiformes & plus longue que le précédent.
6. (9) Antennes insérées sur un tubercule frontal élevé (f. 87, 88)

Cornicules longues de près de la moitié de l'abdomen.

7. (8) Front creusé entre les antennes (f. 87, 88).

Sphis

Rosæ L. — Millefolii F. — Platanoides Schr.
Fraxini L. — Cerasi Schr. — Serratulæ L.
Juncus L. — Corylinus F. — Cornutus L.
Cardaminis F.

7. (7) Front plat ou bombé entre les antennes

Pisi L. — Dianthi L. — Prunii F.
Nymphæi Schr. — Linnæi Schr. — Cerasi F.
Lythri Schr. — Armoraciæ F.

6. (6) Antennes insérées immédiatement sur le m. F. convexe, plat ou concave.

Cornicules courtes.

10. (11). Corps ovalaires, fortement bombé avec un petit tubercule de chaque côté de l'avant-dernier segment de l'abdomen.

Pyri L. — Saubucæ L. — Erysanthea Schr.
Mantegnii Schr. — Scabiosæ Schr. — Alburni Koch.
Evonymi F. — Rumicis L. — Papaveris F.
Rhamnos Schr. — Fabæ Koch. — Atrifolii F.
Caparinus Schr. — Coracis L. — Genistæ Koch.
Lychnidis L.

11. (10) Point de tubercule à l'avant-dernier segment de l'abd.

Brassicæ L. — Polygali L. — Helichrysi Schr. — Corylicola
Balsamitæ Mat. — Cynoglossi L. — Avenæ F. — Capreæ F.
Xylostei Schr. — Carduni L. — Tuberculata Nees. — Salicifolia Schr.
Cerasi Schr. — Aceris F.

12. (5) Dernier article des ant. grêle, mais plus court que l'précédent.

Cornicules nulles ou consistant seulement en de simples tubercules. Multiptères.

Tiliæ L. — Salicis L. — Ulmi L. — Oblonga Heyden
Nigritarsis Kaltb. — Ulmi Fab.

13. (4). Antennes de 6 articles, moins longues que la tête & le thorax. Lachnus.

Quercus L. — Fagi L. — Roboris L.
Cuscutæ Koch. — Amiphori Delg. — Pini L.
Coccineus Burm. — Pinetti Delg.

12. 3. Antennes de cinq articles. Myzocyclus.

Avellanæ Schr.

5. (2) Homélytres à cubitus une seule fois bifurqué (f. 91, f. 1).

6. (1) Antennes de 6 articles; ailes en toit, les inférieures ayant 2 nervures obliques (f. 92). Chermesiens.

Abietis L. — Laricetinus Laricis Nart.

4. (3) Ailes à nervures obliques ayant horizontalement. Phylloxera Quercus F. Pons; Neyl.

12. (5) Dernier article des ant. grêle, mais plus court que l'précédent.

Cornicules nulles ou consistant seulement en de simples tubercules. Multiptères.

Tiliæ L. — Salicis L. — Oblonga Heyden
Nigritarsis Koch. — Ulmi Fab.

13. (4). Antennes de 6 articles, moins longues que la tête & le thorax. Lachnus.

Quercus L. — Fagi L. — Roboris L.
Cuscutæ Koch. — Amiphori Delg. — Pini L.
Coccineus Burm. — Pinetti Delg.

12. 3. Antennes de cinq articles. Myzocyclus.

Avellanæ Schr.

5. (2) Homélytres à cubitus une seule fois bifurqué (f. 91, f. 1).

6. (1) Antennes de 6 articles; ailes en toit, les inférieures ayant 2 nervures obliques (f. 92). Chermesiens.

Abietis L. — Laricetinus Laricis Nart.

4. (3) Ailes à nervures obliques ayant horizontalement. Phylloxera Quercus F. Pons; Neyl.

7. (8) Antennes de 5 articles; homélytres ayant 3 nervures obliques (f. 93).

8. (7) Antennes de 5 articles; homélytres à quatre nervures obliques (f. 95)

9. (1). Ailes inférieures à 2 nervures obliques (f. 96).

Pemphigiens

Burmeria L. — Pemphigus Schr. — Xylostei Delg.

8. (2). Ailes inférieures n'ayant qu'une nervure oblique (f. 97)

Tetraneura

Ulmi Delg.

7. (1) Antennes de 3 à 5 articles; homélytres ayant 3 nervures obliques (f. 94).

2. (2b) Antennes de 5 articles; ailes en toit. Chaitophorus

Abietis L. — Laricetinus Laricis Nart.

1. (3) Ailes à nervures ailes ayant horizontalement. Phylloxera Quercus F. Pons; Neyl.

A. Caprea? Zool. IV.
vix ♀ ♂ May

A. Dianthi? ib. IVI
vix ♀ ♂ e Sept. to Oct. nr Newcastle, Hardy.

A. Chrysanthemi ib
vix ♂ in Sept. Chrysanthemum leucanthemum
vix ♀ e May, & ♂ rare

A. Dianthi var? ib. IVII
vix ♀, b. Oct. nr Electwood.

A. Lactucæ? ib
vix ♀, Centaurea nigra, m. Oct.

A. introducta ib
vix ♀, Reseda odorata

? ib CII
vix ♀ m. May, vix ♂ e Sept.

A. Dianthi? ib CIII
vix ♀ e Sept. Newcastle. Hardy

A. aprilina ib
vix ♂ Sept.

A. lata ib
vix ♀ Autumn, nr Newcastle.

A. diminuta ib
vix ♂. Aut.

A. Dianthi? ib CIV
vix ♂, b. Oct. nr Newcastle, Hardy on Senecio erucæfolius

A. Jacobæa ib
vix ♀ ♂

A. extranea F. W. Lod. 7. XXXXI.
on Pelargonium

A. conformis F. W. ib
on [illegible]

A. redundans F. W. XXXII
Sept. on Crambe maritima. Newcastle

A. [illegible] F. W. [illegible]
on [illegible]

A. incessa F. W.
on Violet Sept. n. Fleetwood.

A. cadiva F. W. ib
on Silene maritima n. Fleetwood in Autumn

A. aucta F. W. XXXIII
on Arenaria serpyllifolia in Autumn n. Newcastle

A. addita F. W. ib
on Myosotis sylvatica.

A. iniducta F. W. XXXIV
on Vicia sativa c. Oct.

A. [illegible] F. W. ib
on Lathyrus Aphaca. b. May

A. tributa F. W. ib
In Autumn on Vicia Sepium

A. Rumicis F. W. ib
on Sept. on Vicia Sativa n. Newcastle.

A. translata F. W. XXXV
on Bromus Mollis

A. iniducta F. W. ib

A. incumbens F. W. ib

A. infricta F. W. ib
b. June, on Prunus spinosa.

A. concisa F. W. XXXVI
c. Oct. n. Newcastle

A. concessa F. W. ib
c. Apr.

A. bellula F. W. ib

A. transmutata F. W. XXXVII
on Sept. [illegible]

A. conversa F. W. ib
Mayor Prunus domestica.

A. horrorbens F. W. ib
m. Apr.

A. informata F. W. ib
c. Apr.

A. transposita F. W. ib
May

A. detracta F. W. XXXVIII
May

A. egressa F. W. ib
m. Oct. n. Lancaster

A. deviata F. W.
b. June on Pyrus Malus

A. inserta F. W. XXXIX
Apr. on Asparagus germanicus

A. imbricata F. W. ib
b. Jul.

A. [illegible] F. W. ib
c. May

A. visita F. W. ib
c. May.

A. [illegible] F. W. XL.
b. May.

A. Euphorbiae F. W. XLIII
b. Oct. vix ♀ on Euphorbia Lathyris

A. incultae F. W. ib.
Oct. Westwood, vix ♀ on Apium graveolens.

A. robusta F. W. ib.
vix ♀ on Pastinaca sativa.

A. [illegible] F. W. ib.
vix ♀ on Salix caprea.

A. secunda F. W. XLIV
vix ♀

A. transiens F. W. ib.
vix ♀, b. July on Polygonum Persicaria

A. illata F. W. ib.
vix ♀. on [illegible]

A. relata F. W. ib
vix ♀ on Dock

A. tortis F.W. J. XIV
e. Sept. nr Lancaster, vis. ♀ on Urtica dioica ♂ ♂.

A. intexta F.W. ib.
♀ on Juniper communis.

A. incerta F.W. ib.
vis. ♂

A. Insulae. F.W. ib
vis. ♀ Sept. nr Lancaster on Inula dysenterica.

A. conspersa F.W. ib. XVI
vis. ♀ on Scabiosa arvensis, Sept. nr Newcastle

A. confusa F.W. ib
vis. ♀ Sept. nr Newcastle, Hardy

A. indistincta F.W. ib.
vis. ♀ on Asparagus officinalis.

A. Dianthi? F.W. ib.
vis. ♀ ♂ on Cynoglossum officinale

A. adjecta F.W. ib
vis. ♀

A. Malvae? F.W. XVII
vis. ♀ nr Bray, on ? Oak

A. vacillans. F.W. ib.
vis. ♀ ♂ on Tussilago farfara.

A. rufula? F.W. ib
vis. ♀ on Salsola kali.

A. picta F.W. ib.
vis. ♀ on Lambrum nigrum, on Sept. nr Newcastle

A. infausta F.W. ib XVIII.
vis. ♀ nr. Sept. nr Newcastle, & Hardy on the Elder

A. crud. F.W. ib.
vis. ♀ ♂ nr. Sept. abund. nr Lancaster

A. advena F.W. ib.
e. Nov.

A. quercus F.W. ib.
vis. ♀ on Galeopsis Ladanum

A. kunicis, var? XIX ib.
vis. ♂ Sept. nr Newcastle. Hardy on Galium cruciatum.

A. vomeln F.W. ib.
vis. ♀ Dawas barola

A. Barbica F.W. ib.
vis. ♂

A. bruin F.W. ib.
vis. ♂ Larix communis.

A. Gnaphalii F.W. Zool. J. I.
vis. ♀ Gnaphalium germanicum.

A. stagnatilatia F.W. ib.
vis. ♀ e. Oct. Utricular angustifolia

A. deretecta F.W. ib
vis. ♂ Convolvulus Soldanella

A. Dianthi? ib II.
vis. ♂

A. Euphrasia, F.W. ib
vis. ♀ Euphrasia officinalis

A. tincta F.W. ib
vis. ♀ Epilobium nr. July

A. kunicis? var. ib
vis. ♀ Epilobium nr. July

A. kunicis? var. ib III
vis. ♂

A. praterita F.W. ib
vis. ♂ e. June

A. pollinosa F.W. ib
vis. ♂

A. despecta F.W. III
vis. ♂. e. June

A. Epilobii, var? ib
vis. ♂

A. Ulmaria? ib
vis. ♀. Digitalis purpurea. e. Nov.

A. consumpta F.W. ib IV.
vis. ♀ Digitalis purpurea, e. Nov.

A. pictos F.W. ib
vis. ♀ e. Nov. D. purpurea

A. Rubi? ib
vis. ♀ e. Nov. D. purpurea

A. Urtica? ib
vis. ♀ e. Nov. D. purpurea

A. Lactuca? ib
vis. ♀ nr. Bray on Carduus

A. Dianthi? ib. IV
vis. ♀ ♂

A. flavicola F.W. ib
vis. ♀. e. Nov.

Soulei . . . . . June & July, under leaves of Sow thistle.
Oct. & J. F. W.

Soulei L. 735. 16. Kean. 1. 22 f. 2-5. Cat. 1278 173.
a. Soulei, G. C. 1. 628. is another species. Soulei Fer. Am.
Senatula Linn. Inocat. Pirardi F. Cirsii L. Cirsi Schr.
Solidaginis F. Carpi Rom. Sanguinolentus & Tarrani Kalt.
Brassicæ L. 734. 12. Nanis Lepto pl. 18 f. 4-6
R. & J. 3 pl. C. f. 5 & 6 ♀
G. C. 1. 827.
Kaplani Schr. 2. 119.
Althæa Nan. pl. 18 f. 7-9.

Sept. & Oct. on stems of Sow thistle. Pale green, bordered darker green
made 8 F. W. It feeds on 39 diff. plants, about the size of Pinaphis, Nanus
5 June Thistle & on thistle in summer & autumn
m. Sept. ♂

2 Sept. Scottsgate F. W.
July in migrations on Cabbage leaves. On Leakali & Wild mustard.
6 Nov. in fields of Broccoli. Both winged & apterous.
Aug. Left Colchester on cole plants [illegible] in January
30 Aug. & migrations winged & apterous on Horseradish & leaves of Old Broccoli.

1047 Lipara Lacteus Phyllopera Fonscolombi J. E. 10. 197.
Quercus L. Kean. 3. f. 28 f. 5-14.
Longirostris Zetterst.
Bothnia & rotundum.
Picæ F. H. 302. 56. - Pz. 78. f. 22, Am. M. N. H. 2. 95.

6. June New Ross.
6 Aug. 47 Dulwich in crevices of Oak bark. F. Ingalls. On an Oak in Essex.
Stone Chingford to Waltham on road to High Beach, a Sunce.
It has only 2 generations annually. m. Sept. 3 ♀ of 5 ♂.
7 July Monmouth Hill nr. Perth. Bred in Ross on floating Ice 300 miles from
2 Nov. in a tin tube Sewell nr. Dorchester J. C. D. on Albies Picea & Abies excelsa.
in June J. of Portland. Apterous swarm on Scotch firs June 26.

Pini L. 3. f. 994. Wlk.
nudo Pini Delg. 3. 18. pl. 6. f. 1 15.
Pityaphis Amy.
Pinetti F. E. S. 4. 219. Wlk.
tomentosa Pini Delg. 3. 26. pl. 6. f. 19. 25.
Pinetifer Amy.
Alni F. E. S. 4. 215 26. Delg. 3. 27. pl. 3. f. 15-17.
maculata Von Heyd.
Sunct. Fenni Zett.
Aceris L. 3. 1. 999. Kean. 3. 281. 350. pl. 22 f. 6-10.
aceris Fer. Am.
Juglandicola Kalt. Am. M. N. H. 1. 363.

Autumn on Pinus sylvestris.
Autumn on Pinus sylvestris.
6 May Kew F.
6 May Kew F.
Oct. ♀ ♂
19 & 29 May on Maple. Hanson-ville
m. Feb. ♀ 8 June ♀ & Oct. ♀ ♂
July ♀. underside of Walnut leaves. to Oct.
Aug. to m. Oct. ♀. Oct. ♂

c. Ramicis L.
G. C. 1. 747. F. Ent. Soc. 5. 60.

June on the Dock
June 25 large families on Dock & Sorrel exceedingly like those on Broad leaves.
F. W. says they are the same on the Dock & Sorrel migrate to Nettle, Beans, Peas, Thistle.
Chenopodium, Lactucum, Broom, Sharp & S. in Nov.
2 Aug. Birch trees Knighton Park on Dr. Lombardi
m. Sept. Sambucus ♂
Oct. ♂ & ♀
m. Sept. ♀
3 July ♂ Lower Walmersley

2. Betulæ L. 3. 1. 996. Kean. 3. 281. 350.
Delg. 3. 28. pl. 3. f. 27. 28.
nigrifaciis Heyden Kalt.
Sunct. Fenni Zett.
Atriplicis F.

m. Apr. ♀.
6 June ♀ first before Haymaking in long grass in a field at Bleadon Hill.
Prof. Bishop Camden
July Lime trees Regent's Park
2 Aug. in [illegible] on Dr. Lombardi. Sept. & Oct. ♀ & ♂.
Nov. ♂ F. W.

Tilia L. 734. 11. Cat. B. 8. pl. 577. 8
G. C. 1. 684. Philyriptilus Am.
Delg. 3. 29. Kean. 3. pl. 23 f. 7, 8
1047.2 Lipara Cat. B. 8. 576
5. Roboris L. 3. 1. 993. Cat. B. 8. pl. 576 6
Fasciatus Burm. 93. 4. Longipes Dufour.
Bryophilus Amy.
6 species inhabit the Oak
Ulmi L. Kean. 3. f. 25. f. 5-7.
Delg. 3. pl. 5 f. 7-12.
Schizoneura Am.
4 species
32 Lychnidis L.

1st June Parley Coppice & New Forest on Holly & Oak. J. C. D.
Darent-wood J. C.
3 July ♀ on oak twigs
autumn in large clusters ♂
June [illegible]
June ♀ on Lychnis vivica

i. Laricis F.
G. C. 1. 748
Quercus Kalt. Katz. F. J. 3. 218.

Leaves of July Larica & after on Umbelliferæ.

Juglandicola Frisch. Am. M. N. H. 1. 343
Gallarum Ulmi Delg. G. C. 4. 68.

July to Oct. on Walnut leaves. m. July. reign d. under Yellow. Brownfield, J. J. F.
Oct. ♀ ♂.

dubia Curt. K. A. J. fol. C. f. 4. J. W. says this also is a. Dianthi, Ann & M. N. H. 5, 391	e. July under leaves of English Turnips with a. Rapae
Flavo Rapae Curt. K. A. J. fol. C. f. 7 & 8. J. W. says Ann. & M. N. H. 2. 3. v. 4. p. 49. that it is in same as a. Brassicae.	e. July broods on the short flowers & stems of the early white turnips in May & with winged ones.
Rapae Curt. K. A. J. v. 3 fol. C. f. 10, 12 & Dianthi Schr. Faun. Boic. 2. 114, 1213. vastator Fonc. F.	July abt. under leaves of English Turnips 5 Aug: 44 m. Oct. 46 abund: under leaves of Swedes.
Malvae O. M. G. C. I. 684 - Ann & M. N. H. 2. 229. Pelargonii Kalt.	Mallow & Hibiscus leaves, Pelargonium, Bellis, Rumex, Saxifrage Erodium & Geranium
Vinca Wlk. Ann & M. N. H. 2. 229.	May abt. on Vinca major, J. W.
Fagi L. 735. 23. Kaw. 3 fol. 26 f. 1. Phegineus Ann.	e. Apr. ♀ on the Beech. m. May to m. June abund: m. May ♂ Oct. ♀ - e. Oct. ♂ & remain in all its forms, as most aphides do at this period.
Abietis Wlk.	Viviparous Dely. Sum. & Aut. on Abies excelsa.
Laricis Hal. Wlk. A & M. 2. 102.	25.6.52 very rare at Belfast but is prof: in Co. Galway. Hal. Nov: eggs laid by ♀ Only lays eggs, viz: it is never viviparous.
Pomicola Kalt Mon. Pflan. 1. 154. 7. Wlk. Pinifoliae Katz. F. J. 3. 219. fol 11 f. 5.	J. June off Spruce fir Knighton heath and 25.52. Fortree, Tumbewells. Sum. & Autumn, Pine, Spruce, Larch, Scotch fir. Old very abund: on Scotch pine.
Pallida Wlk. Ann & M. N. H. 2. 230.	on Calamagrostis & Hellmsia in hothouses J. W.
Fragariae Wlk. ib.	Apr: eggs under Strawberry leaves Nov: ♀ mid: & copulate.
Aceris pseudo Platani O. M. G. C. I. 684 Ent. 173.	m. Aug: Sycamore.
Platanoides Schr. F. W. non Linn. Platanaphis Ann. Katz. F. J. 3. 216. fol 11 f. 4.	One species in Spring, another in Summer. An Acerus feeds on the dead Aphides, J. W.
Aceriana J. W. Ann & M. N. H. 2. 225.	v. c. upon decay pseudo Platanus & Ill. campestre ♀ hatches in Feb & Mar, perfected m. Apr. Autumn, they swarm i. Oct. ♀ & ♂ i. Oct. to e. Oct. on leaves of young Sycamores, J. W. Oct. ♀ & ♂
conica J. W. ib. f. 258	Aug & Oct ♀ on Birch
Alnigra Boyd, Ent. F. J. 5. 12. Kalt	May ♀ Oct. ♂
antennata Kalt. Ann & M. N. H. 1. 330.	Aug ♀
Symphyti Curt. B. C. fol. 377 costata Zett. F. L. 1, 554, 3. fuscatus Burm. Foniolachnus Hartig	24 June. Isle of Portland J. W. on Spruce fir. m. June & Feb to Hilton on Comfrey & G. Wootton S. C. D. reared. e. Oct. ♀ & apterous eggs.
Quercus O. M. G. C. I. 747. : Ent. 173.	summer & Autumn, oak leaves m. May, June, under Oak leaves, J. W. ♀. e. Apr. ♀ m. Oct & e. Nov. ♀ & ♂.
agilis Kalt. 1. 161. 11	S. June ♀ on Scotch pine Spring to Aut:
Salicis O. M. G. C. I. 827	Oct. 40 all apterous with sciniform spots on a Willow branch.
Betulicola Kalt. Ann M. N. H. 1. 333	July ♀ & to Oct. on leaves of Birch trees. e. Sept. to Oct. ♀ & ♂.
Juglandina J. W. Ann. M. N. H. 1. 335.	S. Aug: on Walnut in Ld. Ludow, J.
Tiliae Curt. G. C. C. 3. Boomnes Ann. & M. 5. 7, fol 20 B. Tiliae	

Hydrocyanus Hub. Liparis Och:

Poilura Steph. Curt. 767.

Monadia L. Dan. 1.22. Sepp. 2.14. Fuc. n. Equitant & Bifoliatus Trunks of Oaks. Park
Flora. Palling. Cookney Hof.
Curt. 767.

Cat. June Oak & Ivy. Prima sub Coetibus. Pagus malus.
Cat. May trunks of Oaks New Forest. full fed 20 June. on Beech & Apple Tree.

Dactylina Hub. Larix Fabr. Cat. Germ. 32. Orgyia Och:
yellow flowers generally forward
laccifolia L. Dan. 16. 576. New Fo. m. Jul. Woods. 17th bred g.
Medicaginis Hub. 116

Cat. 5th June on Leather sedge & Medicago.
Cat. May ~~Lime Oak~~ Broom Hut. Dog Brier. Hawthorn
Trifolium pratense. Leontodon, Plantago. Rubus fruticosus
Indibunda L. Dan 5. 100 g. Larv:
Sepp. 2. 17 & 18, Stev: 165
Fuscandis Hub. 21 f. 82 & 85.

c. June Woods
b. June Trunks of trees Hum. Plants

Cat. Sept. Oak, Beech, Hut & Hob. Called Hof. Essex, Cambridge. Hac
b. Pl. angustifolia & Hum. to [illegible] & immunense quantities in France

Demas Steph. Colocasia Och: Sacridia Hub: Apatale Hub:
L. 89.
Coryli L. Dan 9. 309. Sepp. 1. 17.

b. Apr. Stems of woods
5th m. Jul. & 29th b.
May
20th Aug. g. Jul. b.
Cat. m. May Sept. Hut. & Birch. Moths ch on the leaf. Alnus

Orgyia Och: Notolophus Germ: p. 35. and 378.
antiqua L. Dan: 1. 10. Sepp. 2. 23 — Jul Gardens
g. b. 2. 320.
to
Oct.

Cat. Apple to Aug. Oak. Sallow. Plum. Black & wych & thorn
& Hawthorn, rarely Hippocastanus & Lime & bitten S. B. Harrison, Zool. 2. 683
gonostigma L. Dan: 9. 310. Curt. B. 2. n.
Lobopteta Steph. p. 95 n. 2. Lara
Sep. 2. 9 & Cat.

June Coombe n. Lewisham. Crith., Guenlitha. B.
to
Aug.

Cat. May to Sept. Rosa canina. Vaccinium Myrtillus
oak, birch, hunt, sallow, hawthorn; Cat. broad on [illegible] of May. [illegible]
bred in May

Lelia Steph. Curtis Schr. Lar. Curtis Fonscy & Fab. Arctornis Germ: p. 18.
L. 91.
cœnosa Hub: Curtis 68. Sep. & Cat.

July. Whitlesea Mere 1820.
Aug.
Cat. [illegible]

Cat. Jul. Aug: on Butomus umbellatus. Schœnus nigricans.
June Burnreed & Common reed, Hard

Leucoma Hüb.

Salicis-nigra F. nivosa Hub. 116.
L. 64 & Ex. 116. f. 29.

m. Aug. Lime Tree near Farn. Bromley Kent, Lamarella.
S. Fenwick. Curtis. B. & Ill.

Cat. June Oak. Lime. Beech

Hepialus Fab.
Salicis L. Dan. 1. 30. Sepp. 2. 4

Cat. Willows & Sallows & Poplars

Cat. June &c.

Sambuci L. 734.1. Reaum. 3. t. 5. f. 15. — June Elder
G.C.1.827. — pl 21 f 5-15.

2. Cerasi F.
G.C.1.628

21 June 42 curling up Cherry leaves in Mr. Paul's garden, Langport. They were in considerable numbers on the under sides of the leaves & the ants were numerous. 2 Dec. on the branches after shown. 30th 47 old & young wild cherry leaves near Guildford curled & filled with apterous ones; young ones (Sept. males) swept off.
c. May: spring 2nd with apterous ♀s
3 May on Paronias
6 June ♀

Pastinacae L
R.a.T.9.194.

Nymphaea L

Rhododii Scop

Dauci F. — Eut. p. 127. R.a.T.9.175.

Sept: on roots of Carrots, pale yellow & apterous ♀s
2nd July 47. Grass infested with small green apterous ones near Guildford: leaves turned yellow but roots quite sound. This is a diff. species to the root one.

Ligustici F.

Acetosae L

Padi L. 734.8. Reau. 3. — pl 23 f. 9-10

eggs hatched end of Autumn & the Aphides hybernate. Dely & Kaltenbach.

Lactucae L. S.N. 2. 335. Reau: 3. — pl 22. f. 3-5.
Ribis nigri O. Mor. G.C.1,684.

Mar: ♀ on Cumants 7 & Nov.
c Apr ♀ on Sow-thistle & c. May on Lettuce, Crepis, & Picris.
Nov: ♂

Cirsii L

6. Jaccae L
G.C.1.747.

. Tender stalks of knapweed,
30 June 47 stems of Centaurea
all with their heads downward.

near Guildford, ♂ & ♀ in myriads ~~on the wing~~

Plantaginis Bor.

Lonicerae Scop

11 June 42. Gt. Wood plantations on C. Lonicerae all apterous & different to Mor. Eaton
5 July 42 Bordeaux apterous young ♀ — ♂.

Scabiosae Scop

July on Knautia

Fabae Scop. Cam. 139. 406. Geoff. 1. 2210. 67.
R.a.T.7,418, R.f.20,22 — Ts. P.S.5.60.
12, — U.f. 1-3

June on Vicia Faba, the broad bean, in June & all apterous or nearly so. Long legs.
10 July 47 on Mallows, Jerusalem artichokes, 15th on runners or asparagus, Figs, Convolvuli, Dahlias &c at Gt. Warlton & Middlethrede. Flies in numbers on the Beans in the heat at 3 p.m.

Ranunculi Kalt

13 Aug 42, on Ranunculus Flammula, Hampstead heath

bred from the ♀ Cerasi and serricornis? Trionyx — Eucyrtus

Kaltenbach's arrangement of Aphides

A. 7th joint of antennæ little shorter & longer than the 6th

a Ant. seated on tubercles of the forehead.

× Forehead deeply grooved.

α the aforesaid insects green.

1 Rosæ

2 Millefolii

3 Platanoides

4 Urticæ

5 Alni

6 Cerealis

7 Hieracii

8 Tanacetarii

9 Viciæ

10 Pelargonii

11 Pisi

12 Rubi

β aptera Ins: brown or red.

13 Ferulæ

14 Cinquefoliæ

15 Jaceæ

16 Picridis

17 Sonchi

18 Taraxaci

19 Absinthii

20 Solidaginis

21 Tanacetícola

22 Ribicola

×× Forehead flat or arched.

23 Galeopsidis

24 Humuli

25 Lactucæ

26 Ribis

27 Cornelauli

28 Chelidonii

29 Vimetri

30 Betulicola

31 Cerasi

32 Asparagi

33 Tanaceti

34 Ligustri

35 Loniceræ

36 Lythri

37 Pruni

38 Arundinis

β Ant. seated mined on forehead which is flat or incurved

× Body oval, highly arched: a little tubercle on each side of penult. segmt.

39 Helianthi

40 Capsellæ

41 Plantaginis

42 Scabiosæ

43 Symphyti

44 Sedi

45 Chamæ

46 Epilobii

47 Cratægi

48 Ononidis

49 Jacobæ

50 Ranunculi

51 Salsolæ

52. Mali

53 Padi

54 Nasturtii

55 Nepetæ

56 Floscni

57 Euonymi

58 Rumicis

59 Papaveris

60 Sambuci

61 Laburni

62 Brassicæ

63 Galii

64 Iridis

65 Hederæ

66 Genistæ

67 Lychnidis

68 Persicæ

69 Euphorbiæ

×× No tubercles on penult. segmt.

70 Berberidis

71 Cupressi

72 Mellinæ

73 Scopoli

74 Juncorum

75 Bryoniæ

76 Rosarum

77 Melochloris

78 Salicetis

79 Nymphææ

80 Pimpinellæ

81 Graminis

82 Chenopodii

83 Avenæ

84 Capreæ

85 Rylostei

86 Anthriscei

87 Glyceriæ

88 antennata

89 Cardui

90 Populeæ

91 Nerii

92 Betularia

93 Salicetis

94 Camellias

95 Prunicola

96 Tragopogonis

97 Acetosæ

98 Populi

B. 7th joint of antennæ rudimentary & shorter than 5th & 6th

99 Tiliæ

100 Salicis

101 oblonga

102 tuberculata

103 nigritarsis

104 Juncus

105 Alni

Kaltenbach's arrangem^t of Aphides

1 Rosæ

2 Millefolii

3 Platanoides

4 Urticæ

5 Solani

6 Cerealis

7

Humble bees sucking the curled leaves. Larvæ in them & large larva of Coccinella 7-punctata.

Geranii	3. Nov: off scarlet Geraniums High Cliff.
Erodii	1. June 42, Cranes Hill, I of Portland.
Populi L. 736. 27. Dely. 94. 15. 4 7 7 1-7. Vizzagarius Ilm.	On Poplars, black & Lombardy. m. larvæ 9 o. 21 ad 9.
Heraclei	10 Aug. Sandwich
Platanicola Kalt. Ann. M. N. H. 1. 344.	
vifrons F. W. Ann. M. N. H. 1. 344.	20 July, Ins. Alder!
21 hirticornis F. W. ib 347.	July, on Oak, Southgate
22 Acericola F. W. ib 351.	2 May, 6. June Sycamore
23 Populea Kalt. punctatus Burm.	Summer twigs of Lombard Poplar, Willow & Willows.
24 Salicivora F. W. ib. 1. 353.	5. May to 2 Oct. 1 ♀ - 800 mid w a single leaf of Salix Caprea, F. W.
6 Raphani O. M, G. C. 1. 747.	Radish leaves
Centaurii Curt	20 June off Centaurea. 9 July
Rhizobius litoralis Burm. 8. 1.	Spring at roots of Fiorella & understones.
Helianthemi Mosh. A. S. S. Incert. Nov 4 p. 85. 1857	Roots of Jerusalem artichokes.
Ent. Mag. 3. 208	March on calyces of Cowslips.

Cracca Scop.

Vicia Scop.

1048 Thrips Lin. Ent. B. 2. 758. Linn. 123.
aculeata F. 3 Sept. Cultivated Craigs. Hale

Alni F.

Urticae F.

Pteropsylla L. Selb. Stab. 2, fig. Linn. 5. 12. [illegible]

Cupressi L. Selb. [illegible] p. 5. Linn. [illegible] of the Cypress

fasciata L. Selb. Stab. 7 fig. 8 [illegible] Linn. [illegible] flowers of Lonicera
[illegible] field [illegible] 10 [illegible]
[illegible] 23.7.52
[illegible]

variegata Fonsc.

Acuminata Mich.

[illegible] L. [illegible] Flowers, Elymus, [illegible]
[illegible] under Potato leaves, [illegible] & perfect Thrips.

1049 Livia Lat. Ent. B. 2. 192.
Lanicornis Lat. Linn. 5. 11. Linn. Marshes on the Juncus articulatus [illegible]
& B. 2. p. 192. & [illegible] leaves. [illegible] in Junction Position [illegible]
[illegible] Common oak.

1050 Psylla Geof. Ent. B. 2. 565. [illegible]
Alni Lat. Hart. 379 11. Sept. [illegible] Scotland
Chermes [illegible] May Alder

Grossulariae L.

Ulmi L.

1048a Phloeothrips Hal. E.M. 3. 441.

1 corticaria H.

2 coniferæ H. E.M. 3. 441.

3 Ulmi F. J. R. 315. E.M. 3. 441 & 4. 145
corticis Dely. 3. 11 Ann. 3. fol 1. f. 18-12.
3a Pini Hal. E.M. 4. 145.

Under bark of old trees, feed on mucor, Hal.
Larva under bark of dead trees, elm, ash

4 flavipes H. 441.

5 Pelecus F.

March Larva on Armeria maritima. Image in engraved in the flowers

6 coriaceus H.

Pellucid?

7 annulipes H.

8 Heliothrips Hal. E.M. 3. 443.

1 Adonidum H. ann. Ent. 1. 228.
haemorrhoidalis Bouché Brum. fam. 21 fol.

Flowers in hothouses.

9 Sericothrips Hal. E.M. 3. 444.

1 staphylinus H.

2 macrothera H.

in plenty in flowers of Ulex and Lotus.

1048 Thrips Linn. Curt. B. E. f. 20.
Chirothrips Hal. E.M. 3. 444.

1 manicata H.

on spikes of grass.

Limothrips Hal. ib

2 denticornis Hal. 445.

on heath & grass, Mary Hal.

3 cerealium H. R.A.I. 6, 500. fol N. f. 7, 8, 9. E.M. 4. 146.
physopus H. E.M. 3. 446.

On corn & grasses, consists above of the grain
Larva

Aptinothrips Hal. 445.

4 rufa Gmel. Gesicher Hal. 16, f. 6.

In profusion in the spikes of grass & cerealia, Hal.

5 nitidula H. 445. & 4. 56.

on heads of Plantago maritima? on a muddy sea-coast.

Thrips 1

6 Ulicis Hal. E.M. 3. 446.

Mar. In profusion in flowers of Ulex Europæus. In Crocus flowers.
July Larva on

7 khalerata Hal. 447

Lathyrus pratensis? on borders of a corn-field.
Larva on flowers of Vicia sativa.

8 obscura Hal

Common on wheat.

Quinquefolium Hab. E. M. 3. 227	Leaves underside of rain covers transformed in country of effects covers of the elm.
10 atrata H. i.	In flowers of Convolvulus Scammonia, Dianthus Carthusianorum, Cyanus, Campanulae, Dianthus, Anthyllis, Hieracium.
11 vulgaris H. ib. Engr. and Engl. 3 & 4 Ed. pl. 1111.	On spring in flowers of Primrose, Cowslip, Lamium, Lychnis, Ranunculus.
12 Epimethei H. 228	Lives in flowers of wild roses.
13 Geranii v.	Spring comes in gardening flowers.
14 Hyperici Linn. F. S. 1027.	Flowers of Hypericum.
15 Pacificanus H.	Lives on flowers of Helianthemum.
16 Dianae v.	Lives in Dianthus.
17 Artemisiae Schrk. Bayle. Ill. pl. 2. 26. Fab. Ill. 313. 6.	Flowers of Artemisia, Chrysanthemum, Tanacetum.
18 conspicuiferarum H. 229.	Flowers of Compositae, Chrysanthemum parthenium.
19 minutissima Linn. F. S. 1028. Quad. Chem. 6. 563. Rees. 1876. 1214-17.	not rare with Euphorbiae.
20 discolor H.	Flowers of Cruciferae, Cardamine.
21 Cirsii H.	Flowers of Cirsium, Carduus, &c.
Persica H. 7 N.S. 60.	on diseased leaves of Peach trees, &c.
ochracea Curt. Gen. Claw. 1. 228	On Pinches, Stachyanthes
22 Primulae H.	Lives in Primrose flowers.
23 Dianae H.	
24 Dispar H. Curt. B. 2. 228.	Autumn on Teucrium, Chamaedrys & Scrophularia nodosa.
25 Trifolii H.	on Trifolium, Medicago, &c.
26 subaphana H. 230	on Plantago maritima & maritime species.
27 fallens H.	

Blandina; Castle Edinburgh abundant in blow: of Marjoram (Origanum vulgare) J. B. D.
July 6th. very abt in Cultivated sheep pastures near Jamieson's near extend to environs of Roxburgh.

18th mo. 20th 18 – 25th & 18 – 25th & 26th. abounding at Edinburgh in last & present, as I have seen it in Leith & Edinburgh
Geicia Melampus. Zool. Jl. Lab. Engraving. Alcyone Bank from the Hebs.
Francis Grit: in his Fishes of a marshy area in Scotland, near Dundee, day 8, 1844 [illegible] June [illegible] very in [illegible] Common, Pelham, [illegible] Brown, [illegible]
& second when the sun shone, in rather marshy grassy spots among pebbles in rocky mountains, at about 3000 feet above the sea

Enbrotis Hub.

Boritheria Steph.

Archonis Gem.

Chrysorthea L. Don. 1. 10. aurifluva B. — Cat. [illegible]
Goda. Hem. Schaf. 139. 1.2. — b. Aug.

— Cat. mid May to Aug. drooping tufted, d.c.
Cat. June, polyspermous. Elm, Oak & fruit trees
m. Jul. Gravesend, Southern

Rheomitrea Cut. Hem. Don. 13. 557. 109, 25
Compositea Goda. aurifluva Steph. — [illegible]

[illegible]

Caliymorpha Hub.

Apercomia Hub. Steph. — Heracleia Hub.

Formula L. Don. 1. 11. Hem. 17. — [illegible] Lawn, Dwarf, Down, Lambs, [illegible]
Donna Hub. London 16 p. 521 p. 72 a this var — [illegible]
m. [illegible] June & Cut. [illegible]
Cat. May, [illegible] Hedge, [illegible]

Dizenia Hub.

Euthemonia Steph. 2. 68. — Epipresia Cut. L. — [illegible]

Russula L. B. Curtis 1. 21 5. Don. 6. 216 d. — m. June among [illegible] & [illegible] Cornel. [illegible]
vulgaris & Sanno Lottner. — [illegible]
Blue [illegible] Knotted [illegible]

Cat. May, Plantago, Leontodon, [illegible] Hieracium, Alone [illegible]

Arctia Steph. — Epipresia Cut. — Chelonia Lat. Boi.

Caja L. Don. 1. 15. Steph. 1. — Stew. 160 — c. Jul. [illegible]
Hermaph. & right hand half [illegible]

Cat. May to June, [illegible] & [illegible] Meregrass, Caja, Bonds
[illegible] May

† Matronula L. Curtis, Ste. 3. 70. Wood 54 f. 58.
Euthemonia Hub. 55 f. 29 p. 3. 22 32, 138 f.

Cat. June

Villica L. Don. 2. 71. Steph. 1. 16. Stew. 161. — b. June, often flutter in woods
may [illegible] by Brother in [illegible] by Marsland — m. June on Alone walls in Notes

† Hebe L. Steph. 2. 71. Wood 54 f. 39. Hub. 30 f. 129 p. — Cat. May, Groundsel, Scabious, Spurge, Lettuce, Nettle, Strawberry, Alone media

† Purpurea L. Stew. Curt. Ste. 2. 71. Wood 54 f. 40. — Cat. Milleflore, Dandelion

† Aulica L. Martyn. Ste. 2. 71. Wood 53 f. 41. Hub. 32 f. 139 p. — Cat. [illegible]

Euthemonia Ste.

Nemeophila Steph.

Parasemia Hub.

Plantaginis L. Don. 4. 134. — m. June, [illegible] wood, [illegible]
alpicola Scop. — Hospita W. V. volutina var — m. & June among Heath, sides of Mountains, [illegible] in the day, the males, were attracted by a p. & would not leave her

Cat. 24th Plantain, Lychnis, Dock, Alone, [illegible]

Belothrips H.

28 acuminata H. 430 — on flowers, sand-hills by the sea.

Melanthrips H.

1 obesa H. — in flowers of Reseda & Ranunculus & com: in flowers of Sinapis nigra.

Coleothrips H. n. 51.

Coleothrips H.

1 fasciata Linn. S. I. 1030. Deg. 3. 18 n. 4. — Reseda & c. flowers.

Coleothrips H.

3 albicincta H.

1047. atheroides Hal:

1. serratus Hal:

2. hirsutus Hal.

3 bifidus Curt.

on Juncus

on Tulip, Colchester

Puc. Hal. P. M. L. 115.

on Oats obt. on palings beyond Spaniards, Hampstead near bank of old pond where it grows.

Staphylinus.

Furz bushes Gl Wood & Chesmonte Dale

Dispar Hal. Ent. Mag. 3. 449. Curt. B. E. pl. 748. f.

Lepd. on Festuca fluitans & other grasses. Hal.

Ruf. [illegible] Curt. [illegible]

Illicis Curt.

Genistæ

Bryla

28 June on Furz bushes & grass in Mr Webb's plantation near the Canal Cornwall

29 in plenty on Higham hill in Breakwood Longfield Kent. I took 3 off Furz bushes in a small space covered with that plant & grass at Dr in 1842.

Cerastii L

5 Pepri L — Dep. 3. — 109 ft. 10. Hart. 372. — April on Beech trees in undwo. Dec of leaves
Aphidophylla Lamyot — G. C. L. 55. — Lama. April & May 3d. doing great indeed. — W. A. Knight

Sorbi L

Calthæ L

8 Pavi L — Allay. 100 of Box-trees Box leaf.
G. C. R. 510 Ent. 3. 201. — 13 Lama 3d.

Ulmi L — 8 Allay. Ulmigena
Eriophyella Lamyot — Hart. 372. — 33 ft. 12 of leaves of elm trees on a bank 100 yds. Allay. 8th October

Betulæ L — 2 Lama Ebrington

Corylæ L

Fagi L

Acerina — Alnetis L. Ent. 20 Lin. Soc. Zool. pl. 3 f. 5 — Lama the compleamer galls on the Fir

Salicis L

Allay. Kenghum
12 Sally. Allay. of Willow by Bird

15 Populi L — Ent. 7. 2. pl. 505. 3. — 39 Allay. on Aspen trees Gleanstalum Acrocidalis, Skyer, 1st Buckleham
6 Sally Gleanstalum 2 Allay. & Dowe 6th of Aspen trees, Bedam 1st Nov. 3d

Aceris L

Pini Linné? — Lin. 356. 25. — Elkan Fir
Pelophyella Lamyot

Pinæ Linné?

Cerasi Linné?

28 Apr. 42 ft. on Wild cherrys 2d Allay
1 At Broadadder 8th Pedmore

Prunipini Linné?

Lonicerarum Linné?

12 Lichenis Gm?

m. Aug: Hampstead

castanea Gm?

o Aug: Hampstead heath abundant on Broom
July Coombe w. 26.52 Imb. wells 3. 53 Hayes

rubra Gm?

1051 Tassus Fab. Entis B.E. fol. 636.
1 Lanio L
viridis Don 2. pl. 54 f. 3.

on Aug: Middlesex. Brentham. Regent's Park. 2 ab. Coombe wood Bi
July grassy places everywhere with a Dirty col. var: Common Oaks. Hayes

Vivcemus 2 E.S.I.27. 2 maculicollis C. B.E. fol. 633. 2.

gracilis Fa

brunneus Fa

argentatus Fa

o Aug: Hayes

Macrosis Lois in Bal. Gram. 1. 27. pl. 7. f. 54 2.
6 ferrugineus Cent B.E. fol. 636. 2.
notatus Fab. o. Testa Hayes

Rhyncosus Germ. Brenn. fine 4
8.7.52. 29 Dunsfe heath. Imb. wells
17.6.52 9 Bolwell.

nubilellus C. B. E. fol. 636. 4.

1 Aug. off Birch trees Park

8 pilosus Fall
8 frontalis Eq Flavicollis Luc. B. E. 636. 3.

14.7.52 Birch trees, with 1 of fenestratus, Coopse, Imb. wells.
July & Aug: Bucks on the same & 1 of reticulatus in copse
7 July off Birch trees Park planted 1st under Lomeane lodge Regent's Park
5 Aug: Wades Parley
23 & Green wood Hampst.

Hemitelus 7 reticulatus Hayes
10 geminus 6

m. Sept: 1 Aug off Birch. Hambro
6 July Bedfont woods

memoratus 6

6. Aug. Bucks
6 June, Darent

Macrosis 11 fenestratus C. B. E. fol. 636. 5.

m. Aug: Arran on Birch trees 14th Hayes 2
15 June Coombe woods 2 Swan Clifton
6 June on Birch trees & other Hayes 2
14.7.52. Copse, Imb. wells.

notopus Fab.
12 reticulatus 6 [illegible] C. B. E. fol. 636. 6. [illegible]

July [illegible] all Hayes
6 Aug. Bucks all 2 on Birch trees
1 June Petersham
6 Aug. July Battersea on willows
& Green wood Hampst.

13 fenestratus C. B. E. fol. 636. 7.

6 July 2d off Elm trees, Hayes, by Botwell

27 viridescens Fab. Lew. Ent. Br. 1. pl. 5. f. 7. f. 3.

July ~~Birch~~ & Coombe wood Elms Battersea
Aug

[illegible] Curt. B. E. 1827.

25 [illegible] Curt. B. E. fol. 733.

[illegible] Fab.

Bythoscopus.
[illegible] Lewis in Ent. Trans. 1. 47, pl. 7, f. 2. — Curt. B. E. 733.

lituratus Fab.
1 stigmaticalis Lewis ib. 1. 48 pl. 7 f. 2.
varius Germ.

2 maculipennis B. E. f. 733. 2.

prasinus Fab.
4 [illegible] B. E. f. 733. 4.

[illegible]
5 [illegible] Curt. B. E. fol. 733. 5.
fuliginosus Fab.

6 unifasciatus Curt. B. E. fol. 733. 6.

7 aureus Curt. B. E. fol. 733. 7.

8 cruentatus Pz. 61. 15

9 [illegible] Curt.

[illegible] Curt. [illegible]
8 [illegible] L. Lewis Ent. Tr. 1. 50 pl. 7 f. 4.

13 Sept. off [illegible] [illegible] in [illegible]
6 Aug. [illegible]
Aug. [illegible]
July [illegible]

[illegible]

16 Aug. on a Willow in a damp meadow at Sandwich
7 [illegible] Hammersmith. Battersea
[illegible]

14 Aug. [illegible]

[illegible] Sept. [illegible]
July at Battersea
23 Aug. [illegible] Rye

[illegible]
[illegible]
[illegible]
12 Sept. banks of [illegible] near [illegible] Norwich, [illegible]

Aug. Parley heath.
12 July [illegible]

[illegible]

[illegible]

July Birch [illegible]

[illegible]

rusticus F.

1050 Lactipennis Curt. — 13 Aug: grass n: Middlesex

venosus Germ. — Mr. S. 20.

1052

sanguinicollis F.
thoracica Pz.
Lamorbea Pz.

1053 Eupteryx Curt. B. E. 640. Ent. Mag (1833) v. 1. p. 192. — Passes Burnt: fam 5 pl. — Hypsilocyba Germ.
1 viridipes C. B. E. fol. 640. 4. smaragdula Stal
viridula Boh.
13. 7. 52. Smethwell 14. 7. 52. Kew Gardens Hampton
v. July Ireland, drums Scotland, in Aug. Surrey, willows Battersea
6 Aug: in the grove Sandwich off Burdock 31st Hammersmith. 2 Comb. v.
on Repts. Fam. Bord.
12 Oct. and Broadwaters
Jun. on Hawthorn

2 auricepes C. var.

ocellata C. B. E. fol. 640. 5.

clypeatus C. B. E. fol. 640. 12.
striata Boh.

maculipennis C. B. E. fol. 640. 11. — 5 Aug. Isle of Dogs

tarsalis C. B. E. fol. 640. 6.

Hypsicrania Fab. vide Hyp. 1.
7 Thorstenii C. B. E. Ent. Mag. 1. p. 192. Jun. S. — on Adesmia abundance on Balm in the garden of Myrtle Cottage, Milton. 1. 8. 31st. 5 miles leaves of Burdock Hammersmith
8. Aug in abund on Balm in garden Milton.

8. fucata F. — R. d. S. 10. 83. 17. 32. — June Milton 25. 5. 52 Faust
6 July com: on leaves of Burdock in cabbage Sandwich, creeping under the leaves
when disturbed 7 31st Aug 7 Hammersmith. on Potato leaves in Graham's garden
10. Oct. on Nettles in Sussex Hampstead all.
8 Nov. 48 on my Mint bed.

Hypsilocyba
9 notata C. B. E. fol. 640. 1.
notata Lin.
June Scotland & 10 Forfar and Mearns, 2 over Velvetby slope Middlesex.
12 July off Mullein Dalkeith 20th Bordeau.

melissae C. B. E. fol. 640. 7. — m. Oct: on garden sage at Milton
8 Aug 5.

sinuatifrons C. B. E. n. 13. p. 640
pulchella Fall. — m Aug Arran
1 Sept. Portland Craigs, Lanark off Oaks.
31 Jul st. on side side of brook in Westfield

fasciata Curt. B. 9. fol. 640. 3.

geometrica Ahr?

b. e. Oct: very common on palings in the Regent's Park
Sept. playing ground ~~the~~ amelanchier like small Gnato d°.

mitidula Don 8. 288. 1. 1.

flammigera Mac? Curt. B. 8. fol. 650. 2.

14 Oct: off an Oak near Kew Bridge: Kent. my Garden at Hayes.

16 Lucerens F.

v. rare. ex Dunham
v. rare Hayes

Viennensis Salicidus F. Stew 107.
Populi F.

Junctus F.

quadrinotata F. Bz. 103. 7

v. Rare. Hayes
14 Oct: g. abundant: Broad oak Tree & other trees [illegible]

20 splendidulus F.
sinuata Curt.

aurata L. [illegible] Figure [illegible] 108

22 Ulmi L Stew 108

7. Oct: on the Elms w. Verse Cont. St. Paddinore

Del. 189. 8. pl. 12 f. 12-19.
Leptocephalus Dunpot. [illegible] Bocc.

23 flavescens F. R. 79, 85. Curt

m. Sept. Tamboro

vitreus F?

Urticæ F. [illegible]

Rosæ L. Stew 108. Frisch: Ins: 11 tab. 20

Leaves of Roses

Hahn Res. 1.
Lanthopalo Dunpot.

1051 Macrophis 27 virescens F.

1 dug: 3 m. willows in Sidcup Sandwich

[illegible]

[illegible]
[illegible] Ramsgate & coast of Kent probably by Bonne [illegible]
Mr. Jone in abund. Damp grassy places Hampstead Heath, Potter's Bridge
2 — — Lewes heath
20 Aug. very abund. amongst Calluna Hampst. heath

18 June 67. abund. under standard rose bushes in my Garden, with numbers of the shoots sticking
[illegible]

23. Solani Cat. G. B. 6. 388. R. 2. S. 10. 82. V. 28. 31.

When fed on the flowers of the varied Ph. Fly, the wings are very pale: Mr Backer. Generally fed on the acacia

Cuckoos feed on the larvae & the stomachs are filled with the larvae. A. S. P. 3. | XVI

1054 Amblycephalus Curt B.E. 572. Cut. Mag (1833) v. 1. p. 192. July

viridis L Fl. 32. 9. May grassy places & aquatic plants
b. Aug: marshy places Brite Hay side of Lock Bad, plants in ditches
Sandwich
15 Oct: Broad alders

Evacanthus

E. interruptus L Dell. 3. tab. 12 f. 6 – 10. Fl. 32. 8 May grassy places
m. Aug. Arran, Leants in ditches Sandwich, grass Micklehaven
Sept. abundant on the sea foliaceus grass Tolo & Brandelet, Bute & Jan
Arran in multitudes on the sea in Cambam.

E. acuminatus Fab.

Evacanthus Fall. E. gemmari Curt B.E. fol 572. 9. Cut. Mag. 1. 192. June Yarbeh: and on Burdock near Dublin Dublin
Grey Bottom Mt. of Dyes

acuminatus Yahn Ill. 9.
interstinctus Fall
amblycephalus Curt
acuminatus F.

maculipes Curt B.E. fol. 572. 5 b. May not uncommon Cambam

irroratus Curt B.E., fol. 572. 6. 1. Jul.

nervosus Curt. B.E. fol. 572. 7. 2 April on grass on banks Southchurch
m. Oct: New England. 8th Podimore 7

1055 Agallia Curt. Cut. Mag. 1. 193.

1 stigora Curt July Valley of rocks. Dale

2 Convolvulus Curt Cut. Mag. 1. 193.
Bythoscopus punctipes Germ. 10 Aug: on Sandwich

1056 Ulopa Fall Burm. Fam 5. pl.

Erica Ahr 3. 26 8 June on Erica Ramodrum in abund. 2d & 8th in Lower Plantation on heath. 24th Southsea
6. Oct: on heath in fir Plantation Parley Heath
[illegible]
11 July com: on Woodmen forest among the heath in fir plantation

reticulata Bf in 1033 2. geminus Curt

1057 Megophthalmus Curt Cut. Mag. [illegible] Bergia [illegible]

1. inhumatus Curt [illegible] June under stones in [illegible] Plantation
1. scabiata Germ
scanica Fall
Sept. Hastings.

2. hirta Germ
vittatus Fall. 10 1836. Winfrith by Lulworth.

1058 Phrynomus? Curt Cut. Mag. [illegible]

nitidus Curt [illegible] 6. May common in a house, old Rangeham. 18th Mullen's copse
6 Oct Parley
m. Aug. Micklehaven.
12 July Oakhanger

Batracomorphus Lewis in Cut. Trans 1. 51 pl. 7 f. 5.

1 irroratus Lew. 1. 52 ib. Walderness in [illegible]

1056. Parofria
1 barbata Gern

(10. 2. 11.)
1 cucullata Pa.

Thamnolichen
2 [illegible] Cart
retiruiliata Hamb.

3 mammatus Cart is a g of M. rupestris Gern
fastidiopsis Cart

31 July no. Thetford. 6th Bricar
24th June sent off masses of a plant

[illegible]

1059 Aphrodes Cent. Brit. Ent. Ill. f. 633. - Ent. Mag. 1. 195.

1 fuscella Cent. B. E., fol 633. 4 — Dr Wright I. C. Lulworth, I. C. D.

[illegible] C. B. E. f. 633. 4 — 5. May. near Richmond & Sunnymeads
[illegible] of [illegible] — 8 May. Kingston, Surrey gate
m. Oct. on sunny bank beside the river

[illegible] Dsn 8. 288. 2. 2. — Lolland I. C. D.
bifurcata.

striata Dsn. and no 23 & 24 of Bennifleaten Collection

[illegible]

[illegible]

Phodelera

{ [illegible] Fab. [illegible] no. [illegible]
{ albifrons L. & Cincinna C. B. E. fol. 633. 1 & Fide figured
{ [illegible] H.

5th July Hampstead Heath, S. & W. side of Wedmen Pond

bifasciatus L.
Vertedo C. B. E. fol. 633. 2. Ent Mag. 1. 195. — Aug. Lulworth. I. C. D.

1059b Acocephalus Germ. Cent. B. E. fol. 620. Acocephalus Burm: Lim. F.

31 bifasciata Dsn. N. fol 387. Lim.[illegible] — 6 June 2d Broad albans Park, Tapnotte. 6. June Coombe near Faversham, Kent.

32 {bifasciata F. Cog. fol 8 f. 10. — Shuckard

24 obscura C. B. E. fol. 620. 2 — 6. Aug: abund. on sandhills, Southwold. 31. 7. 22 Barmouth Cliffs Tregar

{ striatus Fab.
23 {Cardui C. B. E. fol. 620. 1 — m. Aug: on rushes in ditches near Sandwich. 30 Aug on thistles S. of St. Catherines Hill.

20 angusta C. B. E. fol 620. 2

Aphrodes 17 fulvicubita C. B. E. fol. 633. 17. — m. Oct. on rushes near Southend & S. of Wakering Essex.

21 pallida C. B. E. fol. 620. 7.

Abbreviations

Deltocephalus
1 cuculinus Curt. B. E. fol. 633. 5.
falicarius Fall.

2 Blocella Curt. B. E. fol. 633. 6.
ocellaris Fall

7 Psylla fagi
Psylla pomaria Curt. B. E. fol 633. 7.

8 macularius Curt. B. E. fol. 633. 8

12 tabulicornis Curt B. E. fol. 633.
ocellatus Scop. E. c. 116, 183. Schr. 127. 11.
ocellaris Fall Cic. 17. 13. Mantellus Fall.
Deltocephalus Germ.

13 sexpunctatus Curt. B. E. fol. 633.
prasinus Fall

[illegible] Curt. B. E. fol. 633. 3

14 Tettigonia Curt. B. E. fol 633. 11.

[illegible] Curt. B. E. [illegible]
griseescens Fall.

16 mesomelaena C. B. E. fol 633. 13.

18 immaculata C. B. E. fol 633. 15.
sordidus of [illegible]
Cicadella Germ.
19 lata C. B. E. fol 633. 16.

[illegible] Curt. B. E. fol. 633. 5.

[illegible] Curt. B. E. fol. 633. 6.

[illegible] Curt. B. E. fol 633. 7.

[illegible] Curt. B. E. fol. 633. 8

[illegible] Curt. B. E. fol. 633.
[illegible]

[illegible] Curt. B. E. fol. 633. 3

[illegible] Curt. B. E. fol 633. 11.

[illegible] Curt. B. E. fol 633. 13.

[illegible] Curt. B. E. fol 633. 15.

25 [illegible] B. E. fol 620. 3

27 unicolor Curt B. E. fol 620. 5.
[illegible]

28 lasciatus Curt. B. E. fol 620. 6.

33 tricinctus B. E. fol. 620. [illegible]

30 [illegible] lucineta C.B.R. fol. 620.

6. May Comb. w.
10. July Dover 30,52, Dover
10 Aug: sed. amongst Marrams Sandwich. 2d. sent Comb. w.
[illegible]

1060 Tetragonia L.
[illegible] leaf
T. pubescens C.

Gem. [illegible] Aphyllostera.

13 Aug: abund: on grassy chalky hills Boy Hill.
6. Oct. on grass, Maidencastle nr. Dorchester Dale.
12 July sandy heath by Cobham, Albury & Bookham

albicantia F.

[illegible] Aug: Parley & Poole
[illegible] Sept. I of W. amongst reeds
[illegible] Oct. marrams, sand-hills, Sandwich
[illegible] July [illegible]

maritima F.

[illegible] July Bakewell & Dover. 23rd Marrams, Salisbury
[illegible] June [illegible]
[illegible] Comb. w.
[illegible] Oct. Gt Yarm.

[illegible] C

laterale F. Gem. 107

5 Aug 3 off Thistles Sandwich. 20 Caen w:
[illegible] July Fruitbler & Bradeau. Dayes Black warren
31 Aug my Garden
[illegible] Longfort nr. Downs

[illegible] umbraria L. Don. [illegible]
leucocephala L.
capitata F.
leucophthalma L.

22 July Killarney
[illegible] July [illegible] Cabana
31 Aug [illegible] Smithy
[illegible] on holly bushes, suckers of Lilac.

13 July Bakewell

[illegible] bifasciata L.

[illegible] Sept. [illegible] Aug oak grass [illegible] Sandwich of Punica sp. [illegible]
[illegible] Dover. Dayes of Willow

[illegible] Curt.
[illegible]

[illegible] Aug Whitstable Marsh nr. Cambridge amongst sedge.
[illegible] July in abund: on sedges & willows Bakewell [illegible]

1061 Cercopis F. Curt B. E. 461.
vulnerata Kirb. [illegible]
dorsata Ahr. [illegible]
sanguinolenta Don 2 pl. 54 f. 1.

6. June [illegible] upon fern Curt also on grass, Alders & Sallows. Wotton w.
July [illegible] Sandw. [illegible] Comb. Rigby w. [illegible] abund. Bickleigh.

1062 Eupteryx Gem. [illegible]
cuspidata F. Ahr. 2. 22.

[illegible] Sept. flying as I ascended by Blackdown, Devon.

1063 Ledra F. Curt B. E. 676. Kunn. Jam 5 f. 1.
aurita Linn. Curt B. E. pl. 676 Kirb & Sp. pl. 2 [illegible]

[illegible] Gem: Curt B. E. 313
[illegible] pl.
cornutus L. S. L. 874. Pz. 50. 19. Don 3 pl. 83

Many come in wood, gardens, hedges on thistles, on lows, rent bushes, white thorns, fine lawns, fox-hole, heath, inside of Dock leaves. 5 & 14th Mallow's Cove, Knighton. 6 Oct. [illegible] wood [illegible].

Genista [illegible] Curt. B. E. pl. 313. Pz. 50. 20.
[illegible] 2. 1. 6. f. 15 n. 31.

Aug on Genista [illegible] Gorse Coombe 10 or 12 rd. Road [illegible]

Cremaii Cart. vel [illegible] Sectetegu.
Holocoriceaceae

5° a [illegible] Abr. 9. 17.

[illegible] many m. [illegible] & Hippophae vulgaris Sandwich

[illegible] Bursaria tomentosa [illegible]

sanguinolenta Linn. S. N. 2, 708, 22.
Abr. Pas. 4, 720.

Sub. Stock at Mirimes & Montpelier in 1830

1065 Delphax F. — Curt. B. E. 14. 657.

minuta F. [illegible]
lineola Germ — abr. 17. 19.
Helianthemi Kaw
marginata F.
minuta Boq. fol 21 f. 4.
striata F. [illegible]
fuctifrons Curt. B. E. fol. 657.
[illegible]
flavescens F. [illegible]
[illegible]
pellucida F.
Cicad. obscurus Curt
Cicad. crassifes Curt

8. [illegible] Broad Oaks, Wimme [illegible] Gl. West. [illegible] Eu. [illegible] on edges, Norton in [illegible]
Sept. on reeds on the cliff by Black-gang chine.

m. Aug Arran
2 July, Finchley
on Dunn Combe [illegible] & on rushes by side of river nr. Slaughter Oxon.

21st Aug. abt in dry rushy fit by entrance to Cann wood. Gl. West & Middlesex wood
c. Jul. abt in damp wood, Colchester.

8. Aug. Sale off heath
21 May on Marrams, Dollsburn

1066 Eriomorphus Curt Ent. Mag. 1. 195.

hemipterus Germ — July Bolton

maculatus C
is a var. of fasciatus

albomarginatus Curt. Ent. Mag. 1. 195.

apicalis C
mists Bohemian — 8 June Potters Bridge
July Dover

fasciatus C — 6 Aug common on heath S of Bute
is the larva state [illegible] of Selkhat fuctifrons with white Hook it in abundance 21st Aug in the fir Bacon wood.
31 July Chelford
nr Sel. Broad Oaks

fuscinervis C

bicolor Lewis — 20th June Brion Downs nr. Langport: 18th chalky bank S of Hilton.

Typical holyman
Norma Typ
Ulmus Cat.

nr June Ashington wood. 3rd 25. [illegible] of Brown Coals [illegible]

1. longipennis Curt. B. E. fol. 657. 8.

15. Sept. 1807
26. Sept. 39. Dale took 3 in Broad Alder Copse with Elk. Wood by brushing rushes, &c.
~~20~~ 4 55. & 1 in Copse with Naldray

3. cunicularis Curt. B. E. fol. 657. 5.

July 1826 & Down. J. C.

3. limbata F. E. S. 4. 6. 21.

W. Barnstaple. Dale

3. pectinata Corn. Mag. 3. 216. 7.
minuta Fall. nec Dale.

8 Oct. Podimore off Sedges. Dale.
6 Aug. W. Lock Pad

[illegible]

6. 2. for. 657 [illegible] June [illegible] Ewe
[illegible] Aug. fish ponds Hengham. Scotland. I of Anan & Elk. Wood.
16 May Mullen's Copse. 30 Hayes plantation

albipunctatus Curt.
To be ignored Feb 54

On a rush abundant on Rushes, Corn. Mag. 2. 6.

1067 Asiraca Lat. Cent. B. E. 445.

clavicornis F. Eng. pl 8 f 7. C. B. E. fol. 16. e. April 3 on a S. bank. near Southchurch 1857. e Apr. in a Clover field, Hendon Suff.

dubia Pz. 35. 20. – Brutz. C. B. E. fol. 445. 30 Jul. on rushes w. Blackgang chine. scot. C. Apl. E.

grisea Lat

fulvibella Cent. B. E. pl. 445. 8. 5th Aug. 2 off sedges in a brook by sandhills, Sandwich. Chamomile Valley
30 Jul. 2 on rushes nr. Boathouse Blackgang chine

1068 Cixius Lat. Cent. B. E. 673. v. 12.

1 Cynosbatii F.? C. S. v. 41. 61. e June Swifton
Dionysii Pz.

2 nervosus L Pz. 103. 6. m. Sept. Farnham

6 pilosus Lat N. H. 12. 311. L. June Yarbch. nr. Ramsbury

mundus Ahr?

7 albicinctus Germ? Mag. 3. 199. 9. 13 June woods Hingham & Bayley wood. Eff Wood & New Forest.
27 May. Matter Copse

5 stigmaticus Germ Ahr. H. 20?. m. Aug Bute on the Beach S. E.
m. July Dover. Gl. Wood.
e May Southampton

9 leporinus L Pz. 61. 19. e. June Clifton in abund. on grass, side of the Avon. 28 June abd. salt marsh Lymn abd. S. E.
m. Hardy wood, Lulworth, S. E. D.

8 contaminatus Germ. Mag. 3. 196. 7. e June Clifton. Bagley wood & Nantz
7 May Coast nr. Swanwater & Queen wood 28th Dorset. 23d Rewland Plant.

1069 Issus F. Cent. B. E. 449.

coleoptratus F. Z. 2. C. Cent. B. E. pl. 449. May on Holly, Parley Copse, Cumbourne Chase. S. E. D. Mat. S. E.
dilatatus Don 4 pl. 138. 1586. to Aug. Pentwood on Clematis vitalba.
e June Papa in gravel pit Wren Ham among grass
Sept. on Ivy Hoveo Portugate
8 July abd. on Travellers Joy, Kordeau hangers 22 & Lin 21. 52, Tunbridge wells

1070 Pseudoptera Lat?

reticulata Fam:

May Ledgw & Wood sides

nervosa L.

crassicornis var? ♂
Cent. Pg. 35. 14.

on June 32. Weston on the Green. J. C. D.

3 [illegible] Pl. 2. N. B. C. 673.
novem-punctata Delf. 3. pl 12 f. 142

June Holly Coster nr Lyndhurst. Burley nr. Clifton nr: Bristol
4th day at the of cliff Bounds. 23d Cove of Portsmouth. I of Wight.
m. Sept. Fanborow

4 Dionysii Pg. 34. 24. Cent. B. E. pl. 673.
cancellaria Pg. 34. 21 m.

m. May nr: Dover. nr: Langport Dale

2 Laurei Germ. Mus 2. 14.
[illegible] but no [illegible]

Scotland 2 Leuchs in Mus: D. Pigot

1071 Bulgora L. Boudefidiana Burm:

Europaea L. Dor. 6. 203. Hudson.

c. Jul. Aug: on Asclepias vincetoxicum w. Paris, R. Deer. Lo: Hants, Fairm:

1072 Cicada Geof. Cat. B. E. 392. De Dignie Germ. Pens. 105. + 106.

Anglica Lam: Cat. B. E. 392. 2
U. S. Reg

concinna Germ. Mag: (81: Jul, 198. n° 10.
It is not the Dorset. Does not agree.

c. Sept. Bennington Common: Hants. D. Lo: [illegible]

c. May 28 beat out of White thorn w. Lyndhurst. S. Mo.

Order XIII Hemiptera

Mulsant's Synopsis v. 9, 51 pl 295, 6, 297

1073 Corixa Geof.

affinis Leach
[illegible]

Mach. Pools & Ditches [illegible]
m. Bot. Southchurch

Geoffroyi Leach S. L. S. 12. 17. f.
striata Pz. 50. 23. Dan. 3. 176. 2. 3. f.
punctata Rossi.

Mach. Pools & Ditches
H. Col. Southchurch

Fossorii Fb.

rivalis Fb.

Sorrosii Leach

Lateralis Leach

Sossarum Leach

Mach. Ditches Maldon, [illegible]

Stagnalis Leach

Stag. Sch. Pond
m. [illegible]

striata L. Delp. 389. pl. 20 f. 17.
undulata Fall. 182. 2.
basalis Costa C. N. 7. 2. f.
Hesarabdus Amy.

[illegible]
m. Mayne Pl. Newham & Sutton

Aphogrammus Amy. colostrata Fb. Pz. 50. 24.

Mac. pools & ditches Isleham Norwich

1074 Sigara Leach

minutissima L.
minuta Fb. Geof. pl. 10 f. 3. [illegible]

Mac. river Yarmouth Freams, under stone.

1075 Ploa Leach

minutissima Four. 220. 2. Pz. 2. 20

Mac. Pools
Colne Pl. Mac. Boreg.
Dalty, pond Newcastle. Doff.

1076 Notonecta Linn. Curt. B. E. 1. 12. Gen. 108.

furcata Fb. S. E. 2. 58. 2. Dan. 16. 560. 2. 3. 4. f. 10.
Sam. pl. 515.

Mac. pond round London, Gt. Yarm. Doffin Rand, Kew Gr.
Ent.

glauca L. S. S. 266. 4. 93. Dan. 3. 75. 2. 3. 4. f.

m. Mac. in every pond.
E. Ent.

Méthode mnémonique par C. J. F. Rumpf dans l'R. Prus. v. 5, p. 309-8 s., 734 55 40 45

Sept. 1846 a swarm w. the land waters of the Mississippi, extended over 25 or 30 miles: Sir G. Simpson's Travels

maculata Fabr. B. E. pl. 10 – Don. 16. 500. 1.
Hahn. v 8. pl. 256.

6. May, Clapton, A Kennedy, Tunbridge Green
6 July to 6 Oct. off Brook, New Forest, Isle of Portland, Glenmore Lo., Exe
Plymouth, Chiddar Cliffs Bath Bristol, Scotland.

1077 Hamoris geof.
cimicoides L. Del. 3. pl 18 f 84 — Nauptera Amyot A. S. E. 1846, 434.
Don. 11 381. — 3. R. 110. 2.
Near Ponds Hanf. Essex, St Johns wood
to
Nov.

1078 Ilepa L. Ent. B. E. 700 — Define name, under this phase. — in mistake
cinerea L. Roes. 3, 22. — B. E. pl. 700. — O. In brooks & ponds & ditches: eggs in moss
Don. 1. 18 Sam. 5. 6 Hew. 109. Fig. 95. 16.
Hahn v 8. pl 255

1079 Kanatka Lat. Curt. B. E. 281.
linearis Curt. B. E. 281. Roesel 3, 23
Don. 3. 105. – Delg. 3, 364 pl 19. f 1, 2.
Hahn. 2. 30. pl. 62. f. 181.
Near Epping Forest, Wanstead Park, Rainham hill, Hanf. Cuff. Lamb.
Kensington gardens, Cockayne Hanf.
Apl. Mar. Essex

1080 Gerris Lat. Ent. B. E. 553
? Paludum ?
Lienshi Don. 6. pl 118. 1. — Hahn. f. 926
May
June 26th caught one flew in Sun at noon, at St Johns wood, 47.
Aug

2 rufoscutellata Lat. Gen. Hahn. 15 f. 108.
Hahn pl 300 f. 924. – 3. 134. 2.
Near ponds & ditches till Nov.
Apr.
Apl. Mr Douglas

Asteroggua Amy 3 apterа Curt. Schum: — Hahn f 925
Pneumnus Ent. B. E. pl. 553.
najas Delg. pl 16 f 8. 9.
canadium L. Gaf. — paludum Schd. pl 9 f 1.
6 June in a rapid little stream in Lapidlands in Essex
Apl.
Apr
to
Oct.

4 lacustris L. — Geof. 3. — Oliv. 16.
Paludum Fab?
najas Delg. 311, 39 pl 16 f 7. Hahn f 930
Stagnant waters Sun. Hanf.
Near Nunes Tunbr.

5 varialilis Curt B. E. 553
17 May Chatfor.
Aug. Edward Dilkes St Ives
27 June 40 in varia plenty in Brook Dalby close near Poole.

6 aquatilis Dale Ent. B. E. 553
June Morris near Mr Hume Kents, Bearwood Dorset & near Fox
to
Oct.
Apl. Brooks Woodmansterne
Near

1081 Velia Lat. Curt. B. E.
rivulorum Lat. Curt B. E. 1 pl.
Young under stones, shores of Essex Fad. eg. Wooldland Bridge
near Abbas Roxham Brown Wadsk. Dalell Lilles near Pirling. Sh.
to Oct. Thames at Sun.

Aptenia Amy. currens F. E. S. L. 195. 22. f — Geyb. – 19 f 11. B. E. 2. 2.
aptera F. R. 259, 11 8.
Young under stones, shores of Lochfas
Spring to autumn under stones near running water.

1081 b Hydrossa Burm Ent. B. E. 681. — Microvelia Westw. — Velia Dufour
1. pygmaea Dufour Ann. Sc. Nat. 2. 2. 115. pl 6. B. f 1.
Ann. S. E. 3. 627. pl. 6 f 5. Mulsh. Hem. 1. 7.
Hahn. 6. 37. pl. 193. f. 595.
June. Sept. in a marsh near Belfast. Nat.
near Walton on Thames Walker.
Apl. & Sept. running stream. Putney heath Lord G.
June, Addington Lock, all apterous, Mr Greville

1076a Aphelocheirus West: London's Mag. Nat. Hist. v 6, p 228. Aphelocheirus Amy.

1 æstivalis F. Cog: tab 10 f 4.
West: Intro: 1 pl 1 f 7.

Evenlode River nr. Cusham, Oxon & nr. Oxford
Sutton Park Warwickshr.

5th Aug: 42 Mr. Reece took nine & 2 less perfect under Ranunculi. He will grow to a great length in the River Teme nr. Wick bridge abt. 3 miles from Worcester by the Weir. The plants thus growing and termed Rate & in the summer are left dry or nearly so. He shooks them out of the wet sand below the plants.

1082 Hydrometra Lat. Curt. t. 32.
Limnobates Hahn

stagnorum Curt. B. E. fl. 32 f.
Zan. 238. Delg. t. 15. f. 2.

in April in a running brook of Mr Walton
many ponds, running brook, Hurstead
June

9 Aug: Lawn of various sizes & perfect in: under stones, shores of Lock Lad

aquatica Curt. B. E. 32 g
stagnorum Curt

6 June in a little pond, New Brook, under grass in swampy field & roots of trees near Clifton
26 Aug Hydal water Cumberland J. E. Dawson, J. Murray
Mr Mag of Nat Hist. Miss E. Harris

1083 Ploiaria Leach

vagabunda L. Delg. 3. t. 17. f. 1. 2.
Wolf. 203 fl. 20 f. 197.

Zool. Journ. n. 17. p. 33. Placaria Amyot.

June
c. Sell. Grove and gardens Mr J. Knight.

cursitans Fall

end July. Oxford, fading Brookmead. 13th many on fading at Stanmore, pond in the Lilies & Aparuth

1084 Velia Latr. Curt. B. E. 34. Spin. Lapi.

Bergii Lat. H. N. v. 12. p. 253 n. 6. Geof.
Fab. Syst. 4.
n. elongata Pz. 100.
Polyc. cellata Am.

n. 53. 18 July. Kempston's Mill in stand on Bury bushes.

crassicornis Fabr. Curt. B. E. 152
crithmi Latreille Ann. 3. 25.
Phrynocoris Fab. Syst. 4. p. 57. fl. 8 f. 4. 7.
hilicornis Hahn n. in W. 129 p. 231.

ant. pilosa

So and fur with pubescent antennae

6 Aug: Parley Withey dead under a stone in a meadow nd Bagnor. Sc
26 June 16. Kessel Bourne mouth. S.E.
31 Jul. 2. Bakehouse Cliff. Ashtaing.

1085 Galcatus Curt. Ent. Mag (1833) v. 1. p. 196. Spin.

Frieg's Hahn. t. 60. fl. 130.

spinicornis Fall N. H. Hahn fl. 130. A-H.
Velia Am.

2 Aug fish pond, Hingham

cristata Pz. 99. 14. Hahn fl. 130. H.K.

foliacea Fall N. n. 12. p. 118. 18.
Hahn. t. 70. fl. 129. D. 130. I.M.

2 Aug: Fish pond, Hingham
23 July. Chalky slope Bordean

Pipra Fb. E. 120. 4. Fuessl Mag. 2. 247. Hahn fl. 126 f. 395.
Velia Am.
Frieg. Am.

[illegible]

1086 Burgeena Latr.

n. accomplexus Fieber

clavicornis L. 717. 16. Pz. 23. 27. Hahn fl. 129 f. 130.
Hemi. fl. 34 fl. 2. Geof. t. 261. 55.

June in Gardens Wat. Mus.
Mus. Britannicum

nigricornis Latr. Essai p. 49.
Burgeena Am.

1087 Tingis Fab. Curt. B. E. 16. 741.

Monanthia Hahn t. 49. f. Fry. v. 9. 143

1 spinulosa Fall Fab. 118. 1. 370. fl. 129. 1.

June grass Wrentham
n. Sept. on under a shed in a field nd Wrentham cruise.

2 carinata Pz. 99. 20.

n. June ~~[illegible]~~ Bermondsey

3 cornuta Fab. 118. 375.

Mumbey in Kent.

obscura Kiliar n. 2. pl. 118 f. 372.

5 Cassidea Fall Mon. p. 37 n. 6.

5 Spanula Fall 37. 5.
maculata Nahn. L. 56. pl. 123 f. 389 & A. C.
Oxyacanthae Cust?

n: London

6 nigrina Fall? Nah. 125 6 Pg. 118. 6.

n: London

8 Cardui Linn. 718. 21. Pg. 3. 24; Wolf. 15 pl. 5 f. 42.
Dalg. 3. 309. Ill. 16. f. 1-6 Nahn. pl. 127 f. A. B.
Monanthia Am.

19 Aug: abt. on thistles on sea shore going to Lamlash, Lulworth, Bristol
Early Before
June Milton. 2 of Mr. & May Hewitson on thistles. 28 Apr. thistles, Milton
Sept.

10 Costata Fall. 25. 2. Nah 123 390 not Kiem.
Salt. Halipr. Am; Spin:

11 Oxyacanthae Cust. 3. 7. pl. 7 f.
dumetorum Nah. 1. 5 pl. 12 f. 391
Paradmon Am.

n. May 11 Whitehorse Gl. Wood. abund. 19th Hayes old Thames

12 6-maculata Wolf. 13 f. 127.
corticea Pg. 118. 22.
Hypsiocilla Am.

19th Oct. Apple trees Gl. Wood. Lewisham.
28 May Darkome "

1088 Agramma West: Serenthia Spin: Nahn. Piesma Lap.
Costa Fall Nahn. pl. 122 f. 388. Abb. 10. 16.
Sacchorlab: 48.
Agramma Am.

Oct. Winchester & Lulworth Cove Sept. 9.
Winter in moss Coomb.
12 June Cormorant gang sweep.
c. Aug 2nd Colchester allies stone Dufour

~~1089~~

9 Hemiala Fl.
convergens Nah. 125 f. 301?
Notharus Am.

1st. May Battersea
2 Aug: Kingham. grass in field & on plants. Hastings. 14 on the Rof.
c. Jul. Colchester.

1090 Aspidotoma Cust. Ent. Mag (1833) 1. 196. Tomocerus Laporte

capitata Wolf. 13 pl. 13 f. 125. Ent. 40. 12.
maculata Suck & Ref. 302.

6 Jan. under bark, Kensington gardens A. Hal.
c. May Essex & Mr. Smithers. 24th. Holmcot.
21 Aug Tamworth.
c. Jul Colchester. 3. 32 Cofw. Tunb. wells.

1091 Aradus Fab. Cust B. E. 230.

depressus Fb. Pg. 10. Wolf. 13. f. 123. Nahn. pl. 170 f. 2.
Spurigo Schek: 2 5 f.
Pestbrunna Am.

5. Mar under bark Kingham. 4th Grovelyn.
6. June New Pa & Barnwood.

annulicornis Pgb. R. 118. 7.
corticeus Cust 1. 6. 230. Wolf f. 91
Leucotomus Am.
complanatus Nahn 544

Betulae Fb. 118. 18. Wolf 3. 105. n. 8 f. 6. Kame in 175. f. 597
elliptica Dufour Ann. Sc. Nat. 1. f. 53. pl. 13 f. 5. 6.

Apr. found on the Birch under the bark Ken. Wickham wood, Douglas.
Under bark of Birch Loch Rannoch, Foxcroft.

1092 Aneurus Curt B. E. 86

Laevis Fab. Curt B. E. 2. 86.
S. S. 4 k 73. n. 25.
Aneurus Am.
Gyrodes Fabricius Stalen. Nahn 6 f. 1 pl. 58 f. 888

c. Aug 22. under loose bark of a fir pole in Pinetum, Leatherhead
c. May fly 2 in a Brewing Stake S. E. Cw Birch in Sweden. Ness in Africa, Amyot.

[illegible] Wolf. [illegible] p. 397. a.

under leaves in Wimbledon Park. Wolf.

2 Saundersii Curt
quadratus Fieber.

Oct. off Beta maritima, Brighton, ab. W. W. Saunders
1 July & Norwich Wolf.

corticalis Linn. Fab. 917. Wolf. Ulq. 1.81.
conspicuus Kolm. fig. 538

Phragmatoecia Steph: 2.73.

[illegible] L. Don. 8. 80. [illegible] 2. 20. [illegible] Heath of Woods
[illegible] 173.
in May in a [illegible] Smithgate. W. Whitemore.

[illegible] Dock, [illegible] or Groundsel
Rumex

[illegible] Curtis Steph.

lubricipeda L. Don. 6. 508. Steph. 2. [illegible] June Gardens
[illegible]
[illegible]
[illegible]
[illegible] Bay, Elder, Raspberry, [illegible] Hieracium pilosella
[illegible]

Walkeri Curtis 2. 62.

[illegible]

menthastri [illegible] Don. 6. 85.
Erminea [illegible] Trans. [illegible] 70
var. Steph. pl. 10 [illegible]
Urticae [illegible]
[illegible] gardens [illegible] Wilton
[illegible]

[illegible] Polygonum
[illegible]

Urticae [illegible] Don. 16. 571 [illegible] places [illegible] Canal. Isle of Dogs.
[illegible] Steph.
[illegible]
20 May [illegible]
[illegible] White [illegible]

radiata Haw. [illegible] 330.
[illegible] of lubricipeda
Yorkshire
[illegible]

Diaphora Steph. 2. 77.

[illegible] Hub.

mendica L. Linn Trans [illegible]
Don: 11, 388 [illegible]
m. May. [illegible] places
nr. Dartford, [illegible], Epping Forest.
[illegible]
[illegible] Plantago, Rumex, [illegible]
[illegible]

[illegible]
Penthophera [illegible]
[illegible]

† Rubea [illegible] Ste. 279
Hub. 56 / 240 [illegible], 16 / 60 [illegible]
[illegible] British

nigricans Curtis 5. 213. [illegible]
[illegible]
[illegible]
8 June 1847 [illegible]
20 [illegible]
[illegible]
[illegible]

Psyche Schr. [illegible] Steph. 2. 79 [illegible]
[illegible]
nea Haw. Steph. pl. 18, [illegible]
[illegible] on Paling
[illegible]

hirsutella Hub [illegible]
[illegible]
[illegible]
[illegible] 1827 [illegible]
22 [illegible] on paling, [illegible]
[illegible]

[illegible]

fenella [illegible]
[illegible]
[illegible]
[illegible] Heath.

[illegible]

[illegible] boggy ground [illegible]

1093 Cimex L. Syst. Nat. Acanthia F.

Lectularius L. 909. Syst. Nat. 1. 8 Ed.
Deg. 3. p. 174 f.
[illegible]

1094 Acanthia Lat. Hist. Nat. Ins. Cimex F.

littoralis L. 717. 14. Deg. 3. p. 174 f.
Kanfes F.
[illegible]

Zostera F. [illegible]
Kanfes F. [illegible]

albipennis F.

[illegible] alternans L. [illegible]
maculata Lat. p. 142.
cinerea Hahn. fl. 194. 298. littoralis Fabricius [illegible]
Salda Deg.
5 striata F.?

Salsa Fall

Lateralis Fall

8 elegantula Fall. 175. 7. Hahn. fl. 35. 108.
Clavicornis Dufour.
Ochthebius Germ.
Cocci [illegible]
marginalis Ahr.

9 bicolor Curt. B. Ent. fol. 582.

marginalis Ahr.

1095 Nabis Lat.

mauritanicus Curt.
[illegible] Wolff. fl. 2. f. 200.
Burpennis Hahn. fig. 258.
subapterus Deg.
[illegible] 35. fl. 6. [illegible]
[illegible]

reformanicus C.

nervosus C.
ferus L. Fabr. Syst.

vagans F. R. 255. 12. Wolff. 159. fl. 16. f. 153.
ferus L. F. R. 731. 108. Hahn. 3. 3. fl. 252. fl. 83.
cinerea Olivier. 8. 110. 2. Dance Selec.
marginalis C.

5 July 52 in swarms in House Martins nests in a Farmhouse nr. Sandridgewells. When the nests were pulled down, the Bugs retreated into the window sills in numbers & even into the Bed in which was said & slept the Women. Mr. Sharp.

12 Lestica cuel B. E. pl. 528.
reparata Scut. F. 172. 2. Hab: B. 22. pl. 257 f 166.

Aug & Sept. Isle of Wight & Carlisle & Cuigs.

13 dimidiatus Cuet B. E. pl. 528

21 Hay on mud by ponds on Yellow Sallows
[illegible]

[illegible]

Aug & the Sept Cove & Face of wet cliff Blackgang chine.

2 vallipes Fab. 2. 115. 12. Valm. pl 194 f. 600. Scut Hom. 1. 70.
Metschria Aug.

[illegible] B. E. pl. 528

[illegible]

10 Cochlearia B. E. pl. 528
[illegible]
[illegible] Cochl.?

10th [illegible] Cuetes [illegible] & Colonies of Thrackeum bracteum under [illegible]

5. Brachinus Delap. cuet. B. E. 684.
1 quadra F. Cuet B. E. pl. 684. Pz. 101. 21. Nakn 2 fl. 41 f 130 Isle. Sandhills Sandown, R. Kennedy
bracteatum Dufour Ann. Soc Fr. 3, 350 pl 5 f 8.
sclopetarius Cuet. [illegible]

Coramus Curt

1096 Reduvius F. — Coramus B. E. 150. — Myrapsetorus Amyot. — Harpactor Hahn

1 subapterus Delj. 3. 215 f. 10. — Curt. Ann. 50. Hahn f. 1. 31 f. 129.
Reduvius Wolff, fl. 20 f. 197
Stenos. Pub. Ins. Sub. 52. Cog. 6. 21, 8.
Harpactor Hahn 3, fl. 83 f. 258.
— 6 Aug. under a stone on sand hills, Sandwich
2 Aug. in abundance on chalky ridge of Sandy hill Micklehan
6 Sept. outside of Ramstown Maidstone.
in Oct. sand hills Segwell Bay, sw. in cop.

Reduvius B. E. fl. 150.
3 personatus L — Delj. 3. 281 f. 115 f. — Wolf f. 13 f. 67.
Curt. B. E.
analata Hal. Ins. 26, 5.
Hahn 2. 17. fl. 39 f. 123
— 6 Aug. in a cobweb in Sandwich. It flies to a light at night. E. I. Bud
[illegible]

1097 Nabis L. — B. E. 150. — Berg. in Fab. Rem.

tipularius L — Hahn 2. 21 f. 68. Wolf f. 20 f. 198.
Nabis Am.
— June grass, places
6 Aug. near Fort

2 clavipes F. — Hahn f. 21 f. 69
Berytus Am.
— 20 July Glanquiff
16 June Slaughter. 19th of gamble holes
Mar. 7. nf. grass places

Latus Dale
tripunctatus Ste.
— Sabness Essex Rev. R. Sheppard

elegans — Curt. B. E. — 150.
punctipes Ahr. 7. 21.
Semnus Am.
— 9 Aug. on sand hills, Sandwich. 14th of grass on W. Sea land meadow Dover
8 May in the garden of [illegible] & Teignmouth on Cornus avenue
in Mar. in moss. A. Corfe. Sandy coast near Dublin
6 Sept. roots of rushes & grass, sand hills, Kenfrey Mt. Wales. F. Walker.

1098 Myodocha Latr.
tipuloides Delj.

1099 Miris F. — Curt. B. E. 15. fl. 701. Hahn 3. 5.
pallescens Dum. [illegible]
marshami ~~Lam~~ Turton
— June on grass in Kelso
2 July
6 & 8 Crewkerne

holosericus F. — Nob. fl. 85. f. 200
[illegible] 85 f. 162

nigricornis Fall.
pulchellus Hahn. 66. 200
Porphyrocoris Am.
— [illegible] Essex 26th 32 grass in woods, Emb. wells.
[illegible]

longicornis Fall. 129. 3. — Nob. 85. 200.
Ramanus Am.
— in grass Sandwich.

hortorum Wolf fl. 16 f. 154
— June, 3 of 16.

laevigatus L — Nob. 85. 259. ~~[illegible]~~
pallidus Hal.
Miris Am.
virens Hahn 54. f. 105. tortuosus Scop.
— [illegible]
— [illegible]

erraticus L. 3. 1. 961. — Fab. f. 1. 54. 163 & 164 f.
lateralis F. — holosericus F.
hortorum Wolf f. 16 f. 164 f. — [illegible]
Theiorus Am.
— Sept. Black gang [illegible]
Oct. abundant in Kew [illegible]
[illegible] Greenhithe.

Dritici Kirb. — Curt. B. E. fl. 701. & Rev. Ag. Ins. 6. 510 fl. 3 f. 12
Lein. Trans. 5, 110
longicornis Fall.
— [illegible]

[illegible]
[illegible]
[illegible]

Micticeps Curt. var. dolabratus — Jul. Dover; Aug. Sandwich off dried grass

ferrugatus F. Hah. 86. 263 f. — v. June, grass in meadows Appin &; 3. July, Boreham.
abbreviatus Wolf ♀ fl. 11 f. 110 ♀
Dolabratus Hb.

dolabratus L. 959. Lepus Hah. 261 f. 262 f. — June on grass in hay fields round Lowe in abund.
lateralis Wolf fl. 11 f. 109 ♂. Hah. 261 f. 262 f. 57, 100 f. 8, 10 f. 10 — Aug.
Pseudus Aur. — Sept.
20.7.52 grass in wood Sandwell.

calcaratus Egl. Mus. n. 25
virens L?
[illegible] Hah.
Blaptomenus Aur.

20.7.52 grass in wood, Sandwell.
Aug. on grass

1100 Phytocoris Fall. 26.
trilineatus Curt.

6. Aug. grass in dry meadows by Sandwell, Sandwich

Ulmi L? 731, 110. Hahn fl. 76, f. 33.
Lebistes Aur.

Tree Elms.
21 July 47 Gl. Wood.
3.8.52 Dover

Longicornis Wolf. 5. 44

6. Aug. grass in dry meadows on Sandwell, Sandwich
m. Aug. Mr. Middleham
Sept. Sandwich.
Jul. Sandw. & M.

Populi L. 403. Don. 7. 252. f. 2.
Capsidea Aur.

m. Aug. trunks of hoe Middleham. 31. con. trunks of willows Hammersmith
trunks of Populus Balsamifera &c

clongatus Fb.

C. guttatus F. 2. 257. 172. Hahn 3. 77. fl. 97. f. 295
Cosmeruma Aur.

3. July, 53 annullata, Dover, Boreham

camphoratus Steu.

scriptus F. 2. 254, 153. a 267. 32. Cog. f. 10 f. 13.
Lopherus Aur.
Hahn. 3. 77. fl. 97. f. 296.
Hab. fl. 66. f. 202.

30 June 84 ♀ very abt. on grass on Quinton Road nr. Langford. the sexes are very different.
July, Oxford, Camb. & Hertford, Boreham

striatellus F. Hahn. [illegible]
S. pumicatus Don. [illegible]
Campylenchus Aur.

3 June, off grass, Wrentham, under Oaks, New Forest. [illegible]
m. May, Carthgate.

striatus L.
[illegible] 14. 3. f. 15. f. 14. 15. Pz. 93. 22.
scriptus [illegible] Hahn. fl. ~~[illegible]~~ 66. 202
marginatus F.
Rhaldeotus Aur.

6. June Oaks New Forest.

agilis Wolf 153 fl. 15. f. 147. Hahn fl. 260 f. 182.
histrionicus Linnaeus B. Fall.
vittatus Don. 252.
Macarocoris Aur.

6. June Dorset & Middleham on Oaks, and here & Lindsey
[illegible]

flavomaculatus Hahn Wolf 114. fl. 11 f. 108. Hahn fl. 76 f. 235.
S. flavomaculatus Dalg. 124. 134.
Distinguendus Dev. Fab.
Tetraphleuro Aur.

Pz. 92. 16.

5. June Bradfield & Wrentham. 22. at Langford

varieus Linn 720, 102. Wolf fol 8, f 75. Hahn fol 54, f. 165. In the heat of Summer all over Europe.
Chlorotus Am.

Striatus (Corpuscularius) B. 387. Wolf 37, fol 4, f 37.
Hahn fol 71, f. 214.
Placodeus Arnyot.

1101 Cyllocaris Salter 2.

collaris Fall. Mon. 103.18. N.S. 125.19. Salt. pl 66 f 203. [illegible]
[illegible]

[illegible] Fall. [illegible] [illegible]
virgula Salter 3.51 pl 88 f 268 [illegible]

1102

Carcis Fall. [illegible] Salter. pl 60 f 184. [illegible]
Pentacrophalus Mon. [illegible]

[illegible] Salter
[illegible] Fall. Mon. S. Salter 3. Mypa [illegible] [illegible] [illegible] [illegible]

1103 Pantilius Cust. Lygia Salter
[illegible]
Paykullii Fall. [illegible]
Paykulianus
[illegible]
[illegible] Fall. [illegible]

Arkinstonum Fall. [illegible] Salter 3. 80. pl [illegible] f 300. [illegible]

[illegible] Corylii [illegible] 133, 121 [illegible] [illegible]
pallipes Salter pl 2. f 16 [illegible] Fall
Phyllocidum.
[illegible] Fall [illegible]

chlorizans [illegible] [illegible]

[illegible] Fall. Mon. [illegible] Salter 6, 32. pl [illegible] f [illegible]

Eladonius Fall [illegible]

angulatus Fall. [illegible] Salter [illegible]
Drummondii

Panaceti Fall. Mon. [illegible] Salter 3. 85. pl [illegible] f [illegible]

[illegible] Fall [illegible]

[illegible]

[illegible] 2. 5, fol. 88, f. 202.

20.6.1[illegible] Arion [illegible] Langfordgasse
in Sinz, Hausing.

10 J. w. C. Exonie.
2 Mj. 4 J. mullen Cyhse, Cl. [illegible]

Aus Dittchen, Landwirt
Schulgut alt [illegible] Lehmanger, Kreis
14 Mtg. g. Singer Pferd.

nassatus F. Halm 26.78
Cyrtodiloris Am.

contaminatus Fall. Halm 23.76. [illegible] 12.79. [illegible]
Catamimus Am.

Many Lime trees, Coombwood 15 Aug. [illegible]
Nuthalam. 2 Lime trees Comb-w
13 Aug.
25th sev. of my Potatoes at Hayes.
10 July 50 abund. with the Pupae on Potatoes in a field at Heron Court. 1st Tunb. wells.

cinctus Curt

c. Jul. abunds. 20.62 Copse Tunb.-wells, on Parsnip flowers.
1 Aug. common, plants in Nuthurst & Horsham. 30.52. Dover.

fabulinus L
Lygus Am.

Halm ll 23.74.
[illegible] 6.6.72.68.

in meadows.

Aug. on Potato leaves 5.54.

lanigatus Pz. 99.21. [illegible] 4.5.56

m. Aug. on Arran
c. Aug. 8 on Senecio Jacobaea Shipe

binotatus F. R. 235.159.
Eotagonum Am.

Hal. 1.202. fl. 33. f. 103. July on Verbascum, Halm. Oxford, Camb. Hertford. J.C.
ib 3.77. 98. 296 Aug.

bipunctatus F. [illegible] 4. 129. Hal. 3.79. fl. 78. f. 298.
R.A.H. 3.79. 5. 25. 6.
Jabominus Scop.
4-punctatus F. R. 235.157
Dicephalodus Am.

July over of Turk. On Nettles.

26 Aug. 66 numbers on Potato leaves. Kingsbridge.

Chenopodii Fall 74.25.
4-punctatus F. var?

fermugatus F. E.A.L. 173. Hal. 1.204 fl. 33. f. 104.
rosea-maculatus Dolf.
campestris F. S.R. 234.

m. Aug. Route
c. July Over of Turk m. Jul. Dover. 30.52. 30 Jul. on
c. [illegible] Halm

cursus Ste
multipennis Fall. Hem. 92.32. Halm. 6.50 fl. 197 f. 610

1st Jul. 50. Off fir trees Bournem. sev.

stigmus Ste

1104 Pantilius Curt. [illegible]

tunicatus F. [illegible] Ahrens 5.23.
Miltochilona Am.

m. Oct. Alders. Gl. Wood. J.C.

c. Sept. abund. on catkins of hazels. Signorat.

1105 ~~Agniscera Ste?~~ Harpocera C. B. E. 15. 709
~~dispar Ste~~ [illegible]
dolabricornis Kir?
thoracicus Halm

m. May in the wood of grass Cornub. Mr. R. Lewis
Trees Plantat. Amis Grove J.C. Gardens Lond.
July Oxford
Inc. sev. g only on Oak, Trentham. 18th & Woodnorwood off Oak.

1106 Pacilosoma Ste

Lygaeus Fab.

pratensis L. 778. 86. [illegible] Fabr. p. 574. 16
umbellatorum Scop. C. 385, Pz. 93. 19?
campestris F. R. 234. 154. Halm [illegible]
ornellatus Scop.
Phytocoris Am.
lituricornis Pz. 99.22.

c. July Turk
m. Aug. Dover abund.

campestris L. F. 950 not of Fab. Hal. 1.218 fl. 35. f. 113.

10 May Dintac

Scterocephalus Hallii. 1. Hy. fl. 23 & 75.

20 Aug. 42 Cam-wood off Grass
S. Hants

Solani Cult. Ra. 2. 10. 78. V. 2. 20, 21.

18 to 25 Aug. 46. many on the Potato handles at Hayes, Cranford & Whitehorse at Hounslow
Canal at Uxbridge.

Erasmus Fall.

in Field Bordean. 20, 52. Wood nr. Innsbrook

[illegible]

827 Fumea. Haw. H. 2. 81. Fumaria Haw.

5 nitidella Hub. Cel. Coda Brit. Bee. 6. 332 A. Lunn. July. Dorset Lime &c.
nitida Haw
Carpini Schr.

bulla Esp. muscea Esp. Boulycella Steph. Lime. Parent of pear & cherry tree. Dorset
Haw.

3 muscella Hepk. (not Hub. 228) radiella Curt. B. E. 332 Lime. Sept. Dorset Wood Ford Hall.
plumistrea Haw (not of Dal) 474.
Boulycella Steph.

4 ~~Boulycella Steph.~~ pleurinella Hub.
pleurinea Haw.

Lactinella Hub. pulverina Haw. 474 Uncertain Lar. from a dealer.
pulla Steph. 1.5.

826 Nudaria Haw. 156 Curt. B. E. 11 200. Sch. IV. 5.

mundana L. Esp. Cela Curt. B. E. 11 200. Lime. Sept. Dorset Lime &c. July. Glen. Sch.
munda F. Haw. unda Hub. pl. 17 f. 85. Dal. Black H. Dunkery &c. Exeter
Exeter Hedges on Lime &c. in Devonshire
Shelton
Lime &c. Bagshot Heath
Lime and Elm Cliff Dorset
Lime Dorset
6. Aug. Isle of Sh.

Lemorobia Curtis 7. f. 05.

senex Hub. Pagana Stock 21 July Whitlocca Dare alighting upon tufts of grass in
notinda Haw. 1825 the evening on the Wheelhouse Barrow Lands.
Wood 57. 88 in Lunn. near Wellington

828 Heterogenea Knoch. H. 2. 82

Asellus F. H. pl. 17 f. 2. Avellana Hub. Lime Portland w. Lyndhurst. Dorset. Lime & Hawthorn.
vacidalbicoll. 20. 1068. 1675 Cat. Kingston. Dorset not of Hope Bedeam & Wilcoxgues
Oak & Beech
Cat. on Poplar

829 Limacodes Lat. H. 2. 85. Abroda Haw 137. Heterogenea Web. 8. 13
a genus of Birds

Testudo F. Godr. F. Bufo F. Scabriuscula Fig. a. Lime. Birch & Green wood Field Shrubs
Limacodes Bois. fenalis Dou. 3. 76 m. Cat. H. Hes. ab. 14. Lime Chiswell near Lyndhurst & Black wood.
Esp. 2. 15. 2. Lime leaves from Oak Brighton, Dorset
Testudiniana Hub. 26. 164 & 1658 g. & Haw. Rossel. Ip. 218 pl. 22 Aspen & Lime & Lime sylvestrian
Cat.

Eugnelia Bois.
823 Callimorpha Lat. Bombyx Fab. Lithosia Fab. Geom. p. 32. Cat. 499.

Jacobaea L. Dou. 2. 25. Esp. 2. Mutus. 72. Lime Heath Common & amongst Nettles
Senecionis Lat. a Lime
Cat. 4. 2. pl. 499. & cat. July Lime Cliff Dorset
Lady Hoffland's perfumed flowers of Lime Lawn
Aug. Lime Ragwort Hill Sel
a Lime

Mitoschista Hub. Fab.
muricata Haw. Dou. 2. 20. Stu. 56.
rubicunda Hub. pl. Hub. rosea Esp. 3.

a Lime Dorset & Birch H. round London Park.
m. Lime.

Spring Lime Birch, Ash & Oak

rubicunda Fall.

rufipennis Fall. [illegible] Hahn. [illegible] [illegible] by [illegible]

Kaltenii [illegible]
[illegible]
[illegible]

flavozonaria [illegible] Hahn [illegible] — common in meadows.
[illegible] Hahn [illegible] — on Pastinaca sativa Holm.

tristriata Fall [illegible] Hahn. [illegible] — 6 June [illegible] [illegible] [illegible] Parsnip flowers [illegible]
[illegible] — [illegible]

punctulata Fall [illegible]
[illegible]

trifasciculata [illegible] Hahn [illegible] [illegible]
Hahn [illegible]
[illegible]

[illegible] Fall [illegible] Hahn [illegible]
Polymorpha [illegible] Hahn [illegible] — [illegible]
[illegible]

marginata Fall [illegible] Hahn fol. 72. f. 224. — [illegible] Battersea

Tanacetum [illegible] — [illegible] Kensington [illegible]
[illegible] — [illegible] Greenaway [illegible] Kensington.
[illegible] [illegible] Palace Garden

maculata [illegible] 967. Fall. [illegible]
Hahn. fol. 71. f. 223.

ambigua [illegible]
[illegible] Hahn [illegible]
[illegible] Hahn [illegible]

15. rubicunda Fall [illegible] — [illegible]

rosea [illegible] Fall. [illegible]
Hahn. [illegible]

sanguinea [illegible] Fall. [illegible]
Hahn [illegible]

[illegible]

[illegible] — [illegible] Hammersmith, St Lawrence [illegible]
[illegible]

12b semiflavus Wolff t.15 f.148. Hahn. 1. 208 pl. 34 f. 107.
unifasciatus F. E.S. 4. 178.
lateralis Hahn. 3. 85. pl. 56 f. 169. ♀
marginatus ib f. 170

6. Aug: grass sandhills Sandwich. Galium verum.
m. — — Mickleham.
m. July, Dover. J.C.

Thunbergii Fall.
Hieracii Hahn

12 Jul. 50 flowers of Hieracium, Selborne, scot.

Monalocoris

Filicis L. 78.22. Wolff. pl.5. f.23. Hahn. pl.56. f.172. — com: upon the Fern, Polypodium Filix.
[illegible]

[illegible] Fall. [illegible] — [illegible] Jul. [illegible] hedges [illegible]
[illegible] p. 67. — [illegible] off Fern [illegible]

[illegible] Hahn [illegible] 16.
juliaria Fall. [illegible] Hahn. pl. 18. f. 62.

1107 Phytocoris Hahn

bifasciatus Fall. [illegible] Hahn. pl. 75. f. 232
pulcherrimus
[illegible]
[illegible]

1108 Lopus Hahn — Capsus [illegible] Hahn [illegible]

tripustulatus L. Hahn. pl. 50. f. 183. Fall. [illegible] 101. 11. — 6 July 18[illegible] on a sandy [illegible] grassy bank [illegible] cliffs [illegible] of [illegible] Beachwood, [illegible] hill, by sweeping grass [illegible]

[illegible] — [illegible]

[illegible] — [illegible] on Oak-trees [illegible]

[illegible]
[illegible]
[illegible]
[illegible]
mutabilis Fall. [illegible] 8.4. [illegible] 118.5. [illegible] pl. 59. f. 180. — [illegible] on [illegible] grass [illegible]
[illegible]
[illegible] — 31.7.52.

gothicus L. 726. 73. Wolff. pl. 4. f. 33. [illegible] 92. 15. — [illegible] June [illegible] on [illegible] Nettles
~~[illegible]~~ [illegible] pl. 2. f. 5. — [illegible] 29th [illegible] grass in [illegible]
flavomaculatus [illegible]
[illegible]

1109 [illegible] — [illegible] 693.

[illegible] — [illegible] Wolff. [illegible] — July nettles [illegible]

[illegible] — [illegible] — [illegible] on nettles
[illegible]
[illegible]

[illegible] L.
[illegible] — June sandy places [illegible] 24th [illegible]
[illegible] — [illegible]

ater L. 944. Wolff. [illegible] Hahn. [illegible] — [illegible] Sandwich
[illegible] var. — [illegible]
[illegible] var. [illegible] — [illegible]
unicolor Hahn. 59. f. 179. [illegible] 64. — [illegible]
— July [illegible]

1110 [illegible] Curt. [illegible] 693. [illegible]
[illegible] Curt. [illegible] pl. 693. [illegible] — [illegible] grass in dry meadows [illegible] Sandwich
[illegible] Hahn. [illegible] 236. 1835 [illegible]
[illegible] X. 289. [illegible]

× Pemocephalus Linn. [illegible] Walk. [illegible] [illegible] [illegible] [illegible] [illegible]
Nahu 2. 88. pl. 57. f. 176. Inles grassy banks, Scott. J.C.

clavatus Linn. 9th Oct. 49 taken off a Hazel in Great wood, Mastin.

7 albomarginatus Fab. ♂ scrobiculatus Walck. 10/72. 15th Nahu. 2. 22. f. 72. Lime Parsley beds:
lineatus Brull.
microcephalus Germ.
microcephalus Kirmsen.
Lapponicus.

1. marginatus Cent. B. Entom. 693. Bedrum, and Kirk, Lowestoft.

8 octrepes Cent. B. Entom. 693.
amoenus Walck. 108. 337. female of ♀
Hall. Mem. 104. 18. 8 winged
Inly. Westwood's of Bedrum & Kirk. J. J. W.
Inles quiet sheltered at roots of trees

1110 Heterotomus Lat. 2. H. p. 422. — May Larva feeds on grass.
m June woody places, lam:
e Jul. Reading Hampstead Gunnes. mid. abunc Ledges, Hayes.
i Aug: on plants in Ledges by Lauriwick. 2d abund: Combe

ophiscoronis F. Ins. p. 135. Pg. 2. 16.
Meriopterus Am

magnicornis Fall H. Suec. 1. 60, of
Heterotomus Am.

on Prunus, rare & wild.

1111 Orthocorystus West. — Astemma — Hahnius Hahn. 1. 113.
Lam. Ent. 8. 89.
pallicornis F. Hahn. fl. 18 f. 6. Wolf. fl. 13 f. 122. Fall.
aptera L. S. S. 894.
Astemma Am.

Lamiopsis grasses & umbelliferae: Vannetsham.

nubifrons Fall. Hahn fl. 18 f. 338
105. 19.
leucocephalus Jurg.
nubilus var. Fall. 6. f.

July grasses Combe. 12th by Oakhanger & Selborne. 12th Hayes

albipes Ste

filiformis Ste

nigripes Ste

1112

leucoptera Ste
coleoptrata Fall.

1113 Hylophila Kir: — Rhynaniis Hahn 1. 104. — Salda Fab:
Ann. S. 3. 639, fl. 6 f. 2. — Anthocoris Hahn. 1. 233. Fallen.

Nemorum L. Faun. 953. Wolf. f. 84. R. 2. S. 3. 73. T. 25. 11. — 7 May Coombe.
29 July Hilton
m Oct. D.

oyleestris F. Hahn. fl. 17 f. 56 1792. 21.

fasciata F. — Anthocoris Am.

memoralis F. — Hyperphiea Am. — Sept. Larva on Hop; Fallen in winter under bark of dead tree.
galliorum Illig. Ent. 2. 7. 11.

austriaca F. Hahn fl. 17 f. 58. Micrahia Am. . . . . 19 May, rest under bark of Plane tree, Hayes.

fraterna F. Hahn fl. 17 f. 57.

Serratula F.
campestris F.

minuta Fall Hahn fl. 17 f. 60. R. 2. S. 13. 74. T. f. 12. 13. — 26 Aug: com. on grass Greenhithe
Lam. Faun. 941.
pulicaria Fall. 68. n.
curoidaea Burm.
Exochinus Jurg.

hyguera Fall Mon. 73. 21

exilis Fall 68. 5. Mon. 73. 23.
Dispeidiana Am.

curvitarsis Fall p. 24.

[illegible] Sept
Wolf. f. 17. 161.
[illegible]

[illegible] Sept
Sept

♂. Floridis Ulr: X. 15.

15 aug: Bi grove Bo. dock vicy N.N.

negra Wolf

9 July, Parley, Mass, Dover.

1112 Loricula Curt. Ent. Mag. 1833, i. 197.
Pecilophiliformis Curt. ib. 198. [illegible]

Microphysa [illegible] Ann. [illegible] Hahn [illegible] 185.
because [illegible] 1834
Polyfrus
12 July three off [illegible] where [illegible]
[illegible]
[illegible]

1115 [illegible]

[illegible]
Germanicus [illegible] Hahn [illegible]
[illegible]
[illegible]

1116 Pachybrachius Hahn [illegible]

[illegible] Curt.
[illegible]
[illegible]
[illegible]
25 6 5[illegible]

1117 [illegible]
[illegible] Hahn [illegible]
[illegible]

1118 Rhyparochromus Hahn [illegible] Hahn [illegible]
[illegible] Curt.
[illegible] Hahn 1. 61. [illegible]
[illegible]
[illegible]
[illegible] Fall. [illegible] Hahn [illegible]
[illegible]
[illegible]
[illegible]
[illegible] Hahn 1. 0[illegible]
[illegible] Fall.
[illegible]
[illegible]
quadratus [illegible]
[illegible] 831, [illegible]
Hahn [illegible]
[illegible]
[illegible]
podagricus [illegible]. 167. 111.
[illegible] Hahn 1. 6[illegible]
[illegible]
[illegible]
pedestris Pz. [illegible] Hahn 1. 0[illegible]
~~[illegible]~~
[illegible]
[illegible]
[illegible]
[illegible] Curt. [illegible]
[illegible] Hahn [illegible]
Rhyparochromus [illegible]
[illegible]
[illegible]
[illegible] Fall. 163. 98 [illegible] Hahn 1. [illegible]
[illegible] Fall.
[illegible]
[illegible]
[illegible]
[illegible]
apicalis [illegible] Fall.
[illegible]
[illegible]
[illegible]
dimidiatus Curt. [illegible]
[illegible]

E. irroratus Auct. B. E. 612. 22

Oct. on [illegible]

- quadratus Fab. Syst. Sup. 541. Cog: pl 9 f 12. Hahn. 1. 50 pl. 8 f 31. Apr & May

[illegible]

♂ [illegible]
& Germ. Schell.

♀ Oct. on Heath in Plantation, Parley 3 p opposite Dobbies
[illegible]

nebulosus Fall. p 65. Hahn 1. 26 pl. 8 f 29.

♀ [illegible]
gemculatus Hahn 1. 68, Ill. 10 f 41.

bipunctatus L. 729.97.

Rolandri L. 729.98. Wolff. 19.193.
Rhomborhilus Dm.

W. Teignmouth Salt. Brewer
On Willows, Fir & under bark of young Elms, Duval.

Polyacanthus Lep.

Echii F. Hahn 22 f. 70. Pz. 72. 22
carbonarius Kirby
atrimanus Wolf 19.192.

On Echium vulgare

chiragra F. Syst. 108. 1336.
Hahn 156. 11. f. 34
Chiromorus. Dm.

S. Shore Hampstead Rev. Dr. Ed.
m. Cary sandy beach Weymouth
5 days: Ramsdown
30. May by Hoops

plebeius Fall

vulcanus L.? 92.10.

Trossulus Dm.

erraticus F. E. 202. 139.
decoratus Hahn 1. 139. fig 22 f. 71.
Tychius Dm.

agrestis Fall

Lassanus Dm.

nubilus Fall
arenarius L.? 729.95

Pini L. 729.96. Lep. 3. Fn. f. 22. Hahn 1. 38 pl. 7 f. 25.
lynceus F. var? Hahn. 1. 44. f. 18 Wolf. 17.
nubratus F. E. 230. 14. 128
Euthochetus Dm.

b. Aug. 2 9 on a bank under fir trees Dunwich & in gravel pit
b. May Hampst. Heath on the ground Dr.

1119 Pynrhocerus Dal Fall. Lac. 3. Fl. p. 2 Cl. gal. note {Rhynchites Hahn 1831. Cat. B. E. 465.

asperus L. Sc. Mag. 1. 229. 2 n. f.
Kirby f. 19. Fauvel 113. 35. Wolff 11. f. 102.
Calmariensis Fall:
Pynhocerus Dm.

d. June Blackwell sands Dartm.? E. B.
m. May m. Beccles, Mr. Dashwood m. sandy banks, they [illegible]
July. in excessive abund. on little Island at Torquay, Devon, upon the hot sand so [illegible] sea Teignmouth

1120 Rhinomacerus Cat. B. E. f. 693. Lac. 3. Mag. 1. 148.

~~gavelloides L.~~ is an Otiorhynchus Hahn 1. 86
nasicornis Cat. B. E. f. 693. 7.

b. June not uncom. on same hills & Lancashire.

~~bonaspiceus Fall~~ [illegible] Cat. [illegible]
[illegible]

July. Western isles of Scotland.

obtusus C

1121 Lygaeus ? Fall Heterogaster Hahn Cat. B. E. 597.

Thymi Wolff. [illegible] f. 143. Cat. B. E. [illegible]
Hemiptera
Enid Schill. [illegible]
[illegible]
Linearis Cat.
Cimicoides Cat. B. E. 597.

5 July Portland range. Dr. Lanan. Mr. Woolmer, Forest. Mr. Cockerell
May 6 of Portland under stones
[illegible]
[illegible] Sandgate
July
[illegible] Black spring Elmire

3 Ptilidis Nation 1.23. pl. 4. f. 14. Melophilus Ann.	14 Aug. going to Sandhills, Sandwich. 1 Aug. under a low bottom of diff. Pentian.
23 obtusus Curt. B. E. 612. 23. ? monarius Heim? 1. 2. 3. pl. 7. f. 27.	May. Pond. Cowchillie & Lancastoff. 2 Aug. house, N.F.
24 subsecens Curt. B. E. 612. 24. ? salutaris Fall. H. S. 64. 26. Mon. p. 1. 18. Nat. 1. 224 pl. 36 f. 47.	Sept & Oct. on heath Comber & Pantey, in plant
26 Brachypterus Curt; ? pallipes Steph. Schaef. ? nigripes Wolf.	20 June 30 many on cast rushes & Connore quag.
marginatus Curt	10th June mowing marsh at Grass. Trampled heath Cirium Lancastoff sand hills

79 Phyllo. Stoep. &c
Hungary &c.

N. America

Calaphoria Dal. Nocolia Pr. & Ins. 1.234

retiella Zool. N. 356. f. 1863 retiella Zool. f. XCIV
P. undulella? Fischer 1, pl 38. is a Lichen feeder

Eichenella Dup.
P. trigonella Hüb. 373, 5 & 6

Solenobia Duf. Ann. S. E. n. s. 4. 12.

Mag. of Nat. Hist. & Phyto. & Zool. & Botany
Lond. 2d V. 2 Dec. 1838
1st V. 50, New York 1837, n. Sheaves of P. antiqua marginata &c
no from Lichens & Mosses

Zool. says produce [illegible] in many [illegible] without equal intervals [illegible]
[illegible]

Mastura (Limacodes) communimacula from Hungary, has a cat. which lives in the curled leaves of the Almond & Peach & feeds upon the opening leaves R. S. E. 1866. LXXI

Urtica F.

1122 Kleidocerys Westw. — Rhopalus Schilling — Corizus Schilling

capitatus F.

magnicornis Fall.

crassicornis F.

Rhopalus Schr.

Carici Fitch

clavicornis Fall

Resedæ Panz.

pubescens Curt.

1123 Neborus Curt.

Walkeri Curtis

Neborus Schr.

1124 Corizus Fall.

Hyoscyami L.

Thoracicus

Equestris L.

1125 Alydus Fab. Curt.

calcaratus L.

Alydus Schr.

aneus Fitch

1126 Dicranocephalus Fieber

nugax

gonymelas Dom.

Microchilus Schr.

didymus Fab. D.I. Hot. 1819. p.71. Fall.
cinnicolor Fabr. I. 79. fl. 12, 45.

1127 Chorosoma Curt. B. E. 297 | Cinytalus Schil. Hahn. 3.

arundinis Curt. B. E. 297 — [illegible] in [illegible] between [illegible] May [illegible] [illegible] Sandhills
Chorosoma [illegible]
Schillingii Schil. Beit: 85. Hahn. [illegible]

Myrmus. Hahn 18. — miriformis Hahn. var. Fallen. [illegible] — [illegible] Birchwood.
microptera [illegible] Ent. Trans [illegible]
Myrmus [illegible]

1128 Coreus F. Curt. B. E. [illegible] Hahn. 2. 101.

Merocoris Hahn. 2. 105. — 1 denticulatus Scop. [illegible] — [illegible]
hirticornis [illegible]

2 [illegible] album [illegible]

3 scabricornis [illegible]

Coreus [illegible] Syromastes Hahn. 2.18. — quadratus F. [illegible] — [illegible] in the church
venator Don. [illegible]
rhombeus F. R. 199. 53.
Verlusia [illegible]
Scapha F. R. 193. 9. [illegible] Hahn. [illegible] 186.
[illegible]
[illegible]
marginatus L. Wolff. [illegible] — [illegible] the Dock.
[illegible]
venator [illegible]
Syromastes [illegible]

1129 Aelia F. Curt. B. E. [illegible]

acuminata F. L. Don. 4, 118. 2. [illegible] 32. 1. — [illegible] especially in France
Aelia [illegible] — May [illegible]

1130 Acanthosoma Curt. 1, 28. [illegible] — Curt. Trans. [illegible]

× 1 haemorrhoidalis L. [illegible] — [illegible] plantations [illegible]
Delg. 3. 435 [illegible] Curt. B. E. [illegible]
Acanthosoma [illegible]

× 2 dentatus [illegible] / interstincta [illegible] Delg. 3. — 31 Aug. [illegible] Birch [illegible] May Birch & Common woods.
[illegible]

× 3 [illegible] picta [illegible] — [illegible] 31 Aug. [illegible]
Ent. Mag. 1. 281

× agathina F. R. 170. 82. — 31 Aug. [illegible]
achatina Wolff tab. 6. f. 55.
~~dentatus [illegible]~~
Haematogaster [illegible]

× 4 grisea L. 721. 43, [illegible] — 31 Aug. [illegible] Plantation [illegible] Common [illegible]
~~interstinctus [illegible]~~
Betulae Delg. 261. 8. [illegible]
Meconus [illegible]

[illegible] birch trees [illegible] their young Delg.

1131 Pentatoma

bidens L.

Cuctos

Troglodytes L.

Guida

lunulata

nigriorum

Bassarum L.

dissimilis

rotundiollis

Brachyporing

prasina

Sanguinea

Eysarcoryx

perlata

melanocephala

cerulea

Arachnidium

oleracea L.

6 [illegible] Hahn [illegible]
[illegible]

[illegible] [illegible]

[illegible] [illegible]

[illegible] [illegible]

Eysarcoris Hah.

20 inflexus Wolf [illegible] pl. 18 f — 23 June, [illegible] 29th 47. on a sandy bank betw. Guildford & Godalming. 1 July 46 heath among fir trees, Bournemouth

perlatus Fz.
[illegible]

8 umbrinus Wolf 143, [illegible] 136. Fz. 93. 15. Hah. 1. 195. pl. 31 f 100 — 6 Aug. in multitudes on grass & short plants on sand hills Sandwich. 20 June [illegible]
[illegible]

37 [illegible]villum Schaf. — in fir plantations nr ~~[illegible]~~ Burley, 6 June New Forest. J. C. D.

Justa F. [illegible]

festiva L. [illegible]
Dominulus Scop.

ornata L. [illegible]
Eurydema Lap.

1132 *Eupedanus* F. Cuct. [illegible]

bicolor L. [illegible]
Entomoscelus [illegible]

tristis F. [illegible]
morio Pz. 32. 6
incertulus Schr.
Brachystetha Lap.
Morio L. [illegible] Pz. 32. 15. Nat. 1. 165. pl. 25. f. 82.
Ligorius Lap.

dubius Scop. Cuct. [illegible]
Sticl. pl. 5. f. 1. Nat. 1. 191. pl. 31. f. 93.
albomarginatus Fall. 19. 2. Schr.

ligulatus L. [illegible] Pz. 32. 15. Nat. 1. 169. pl. 26. f. 80.
Pistacinus Lap.

albomarginatus F. [illegible]
Hemiptomus Lap.

1133 *Physeocoris* Schr.

globus Wolff [illegible]
Pz. 36. 23.
Ophiomus Lap.

1134 *Tetyra* F. Cuct. [illegible] 15. 685. *Physeocoris* Schr.

Scarabaeoides L. [illegible] Wolff. [illegible]
Eurydema Lap.

Fumata Pz. 36. 24.

Odontoscelis Lap.
fuliginosa F.

fuliginosa L. Pz. 8. Cuct. [illegible]
Cibaria F. [illegible] *dorsalis* F. [illegible]
Chlorophyll [illegible]
Odontoscelis Lap.

[illegible] 1845.

complanata Boird.
Curlewis Bait.
complana Nau. Ste.

~~Tringa gracilis Pontopp. Iff.~~

Pygmaeola H. J. Zool. 5, 1914.
Calidris Wh. J. Nat: 23, 92.
Calidris Bp.

Capt. Dear & Beal, H. J. Ornith. Zool. 5, 1917.

Order XIV. Aphaniptera L.

1135 Pulex L. Curt.

irritans L.

canis Curt. B. E.

Bovis Lea

1136 Ceratophyllus Curt.

Galpa Curt. B. E.

fasciatus Curt.

Hirundinis Curt.

Stern Dale

elongatus Curt. B. E.

Gallinae Curt.

[illegible] in [illegible] the weather according to the temperature

The larvæ are found in bodies of unfledged Pigeons, their nests, in dung on floor of Dove cotes, between crevices of boards of floors, [illegible] Swallow nests, Dog kennels, &c.

fasciatus Lat. [illegible]

trifasciatus Curt. [illegible]

82. Eulophia Curt. 36 - Ste - Epipogium Sch. - Crom. p. 32.
Sub Div Pod.
gracilis L. Syn. 13, 450, Ste p. 1, 113. Sep. on Manachety, Isle of Anglesea
Schaf. 92, 2. Mus 167. Oct. on Windsor; 1815.
2 July 1830 got the gracilis on Claremont in Surrey. Very fine day.
Galium, Pinus sylvestris
Gen. Cat. a great variety of Plants, as Restiva darinsculta
Hieracium pilosella, Artemisia vulgaris & campestris. Brica vulgaris, Plantago
Lanceolata, Parley Heath, Hants. Ringwood June 1819, Bentley,
Sale, Swaffed J.E.D. Lowestoft Light house, Capt. Alcock
in July 1824 Parley heath
in June 1833 Smiles on the Ringwood Road, Mr. Bond.
Cat.

824 Neottia Curt. 36. - Ste.
Spiralis L. Syn. p. 13, 39 m. Sept. on Christchurch, Hants. Worksh: and 46 Epping.
Spiralis Hub: Syn. 11 Curt. B.E. 4, 1654 1818. 6. Oct. on Brighton, in Stubble field, Lymington Hants. Mr. Dawes
Cat. 22 Nov. 24 Oct. also in a meadow Sept. 9 since in Nice. In June it is to be seen
Cotney Cram:
Cat. on Myosotis arvensis. Solanum tomentosum, Heliotropium europeum.

825 Listera R. Ste. 2, 93 - Cat - Sch. 2, 51 - Nav: 126. - Curt. 36. - Gnophria Ste: 2, 98.
Monoic Sub.
nubricollis L. Syn. 10, 350, 3 - Stev. 170 6 May Kingston Rev. Rudd
June flying in the day, in lanes in woods, New Forest & Ramsdown
Gen. Gnophria Ste. 2, 98 Mr. Monk the boy of Isle of Wight flying in the sunshine at Bixlett. 16.
in July, Bake, Sarent wood lane. 5 July, Blanch.
Gen. Cat. Sanguinaria confluenta & Lichens

Dioic: Sub:
quadra L. Syn: 9, 395 - Nav. 98
deplana Sub: 2. 50
2 June Pine Trees, New & Epping Forests
in July, Darent, Birch & Coomb: W. flowers of June here hitherto unsettled
cat. Cat. on beech, Lime, Oak, fruit trees.

griseola Hub: Nav.
lutea How Prod.
immaculata Ste v. 2. 96.
6 June, Epping Forest & Hendstead Surf. 6. July by a hedge
aug Hertfordshire & Surrey
11 Aug: off rushes side of brook, Sandwich

alnicola Hub.
depressa Esp.
in Jul. Darent Wood and Kipsley, Thum Grove & Manchester

June. Cat. Pinus sylvestris.
conglomerata L. Syn. p. 13, 3, 4
lumbricoides Hub. 6
Coprina Ste. non Esp.
2 Jul. Skirts of Woods. Plentiful at Hayslope, Camb: Wickhamson Kent
Oct. ~~Lampton Park Kent Esp~~
May & June Larva, Lonicera Capifolium. Genista vulgaris. Prunus spinosus
Pinus sylvestris
muscerda Hub. Curt. 1, 36 indumina Esp.
cinerea Esp.
perlella
2 Juberis a circle at Hoxning, J. Sparshall
3rd & 14th July flying in a meadow Mr. Mr. Brown who cut on 12th when I was with him
[illegible] in the morning [illegible] 14th 1846. May, day bat: 8 to 9. 17th 4 3, from 8 to 10.
7th 4 to 6 in a field of grass, just before sunset. N. F. Fox.
Birch or Darent W.
10 Aug: Hayslope, Camb; Helvina Lee.

gilvicola Oct. Ste 2, 95

helvola Hub. Oct:
deplana Esp.
lanaria Sch. Bor.
June Epping & New Forest. [illegible]
July [illegible] Mr. Stephens [illegible] Park at.

aureola Hub. Ste 18, 5
aurantiaca Nav.
unita Esp.
June Coomb & Birch W. [illegible]
Jul. skirts of woods
13 May. Leatherhead common. G. Bedell. 13th May to 11 June flying & Pine tree, Brighton
May & June Larva Pinus abies & sylvestris
7 May, Penge wood in some numbers [illegible] Mr. J. Cockwell.

O. conoidea var. *a.* Arran Island, co. Galway; Guernsey; Mr. Barlee.

O. diaphana. Lerwick, Mr. Barlee.

O. decorata (n. s.).

Testa ovato-oblonga, diaphana, nitida, alba, per dimidium inferiorem anfractûs cujusque striis impressis undulatis circa 15 sculpta; anfractus 5, convexi, ultimo plusquam $\frac{2}{3}$ testæ æquante; apex obtusus; sutura subobliqua, profunde incisa; apertura ovata, subtus rotundata, superne ad mediam anfractûs ultimi inflexa; peristoma columellarem umbilicum includens; plica inconspicua. Long. $\frac{1}{10}$, lat. $\frac{1}{15}$ unc.

Burrow Island, Mr. Bean and Mr. Barlee.

In my former paper I had confounded this species with *O. obliqua,* but am now satisfied of its distinctness, by reason of the spire being less oblique, the whorls more convex, the regular and close striæ on the lower half of each whorl, the absence of a fold on the pillar, and especially of the well-defined umbilicus. I received the species some years ago from Mr. Bean under the MS. name of *decorata*; and as this name has been used by British conchologists, it may be inexpedient to change it for perhaps a more appropriate appellation. It differs from *O. diaphana* in its less cylindrical form and the greater convexity of its whorls, besides possessing spiral striæ and an umbilicus, which are wanting in the other species.

O. obliqua. Lerwick, Mr. Barlee.

O. insculpta. Dunvegan, Skye; Oban; Burrow Island; Mr. Barlee.

O. truncatula (n. s.).

Testa oblongo-cylindrica, tenuis, nitida, alba, striis subtilibus spiraliter corrugata præsertim in anfractibus apicalibus, longitudinaliter ad suturam striis undulatis sculpta; anfractus 6, convexiusculi, turriculati, sensim increscentes, primo velut exciso; sutura obliqua, profunda; apertura ovalis, superne in angulum contracta, subtus effusa; peristoma fere continuum, postice replicatum; umbilicus nullus; denticulus conspicuus, plicæformis. Long. $\frac{2}{5}$, lat. $\frac{1}{10}$ unc.

Plymouth, very rare; Mr. Barlee. I have only seen one adult specimen. This species has somewhat the form of "*Turbo subtruncatus,*" Mont., which is the young of *Truncatella Montagui*; and the specimens recorded by Montagu as having been found "in sand from Salcomb" may possibly be referable to it. It is however a true *Odostomia,* and differs in form and markings from any of its congeners. The animal appears to have a yellowish colour.

O. dolioliformis. Burrow Island; west coast of Scotland; Mr. Barlee.

O. spiralis. Burrow Island, Mr. Barlee.

O. interstincta. Burrow Island; Bantry Bay; Mr. Barlee.
Var. *a.* Guernsey, Mr. Barlee.

O. indistincta. Guernsey, Mr. Barlee.

O. excavata. Land's End, Mr. Barlee; Exmouth, Mr. Clark, who notices that his specimen has "a strong conspicuous fold or tooth about the middle of the columella."

O. scalaris var. *a.* This is proposed to be distinguished by Messrs. Forbes and Hanley as the typical species, the name of *rufescens* being appropriated by them to the other species or variety. I however believe the latter to be only a northern form or variety.

O. lactea. Guernsey; Burrow Island; Mr. Barlee.

The variation of form in many of the species appears to be very considerable; and it would be easy to add several others to the list.

Ann. & Mag. N. H. 2d Ser. v 5. Feb. 1850

XIII.—*Notes upon the smaller British Moths, with descriptions of some nondescript or imperfectly characterized species.* By John Curtis, Esq., F.L.S. &c.

Family Tortricidæ.

1. Genus 946, 4b*. *Tortrix* (*Ænectra*) *Pilleriana,* Hüb. pl. 27. f. 172 ♀, and *luteolana,* Hüb. pl. 21. f. 136, is a very variable species, and differs from the other *Tortrices* in the form of the palpi. Several specimens were taken by W. W. Saunders, Esq., at the back of the Isle of Wight. The larva lives principally upon the vine, and is very destructive in the vineyards of France, but it will feed also on *Stachys germanica,* and in the capsules of *Iris fœtidissima,* a plant which abounds at Niton.

2. 28. *T. croceana,* Hüb. pl. 19. f. 120; *Modeeriana,* Haw.[2] I took this rare species on 3rd July, 1842, on Bordean-hangers, near Petersfield, Hants. Doubleday says, Hübn croceana is a female species & Haw's Modeeriana is the semicallbana female. vide his List. p. 262, p. 25.

3. Genus 947, 2. *Amphisa Walkerana,* Curt. Brit. Ent. pl. 209. In the summer of 1827 Mr. H. Walker took two males of this curious little moth near Lanark, which I described and published the following year, and he afterwards saw it flying in some abundance over heathy districts, the end of March, in the sunshine about noon, on Tinto, a hill near Lanark.

* As great confusion often arises for want of references to some accessible work, the numbers of the genera and species of Curtis's Guide, 2nd ed., have been added, as well as those of the 'Brit. Ent.'

On the authority of Zeller, Mr. Doubleday has changed my name for "*prodromana,*" vide "Hüb. Caterpillars, *Tortrices* 4, Genuinæ B, c, fig. c," and on referring to the plate where the moth is figured with its wings closed, I am not satisfied that it represents my insect: it has simple antennæ, it is much lighter than any I have seen, and the shoulder-marks are different: nevertheless it may represent the female.

4. Genus 950, 23. *Spilonota tetragonana,* Step. I took a specimen 11th July, 1842, on a hedge bounding a wood going to Woolmer Forest from Selborn.

5. 26. *Spilonota sylvestrana,* Curt., was first discovered by Mr. Dale at Bournemouth, and from the 23rd June to the 1st July we found it there in 1846. It inhabits the Pinasters on the cliffs, and we beat it into our nets in the daytime. It has been distributed amongst entomologists by the name of "*duplana*" of Hübner, pl. 36. f. 229 & 230, to which it is not unlike, but much smaller: it also resembles the small dark varieties of *S. comitana,* Hüb.

It is gray: head grisly and crested; palpi horizontal, very scaly, second joint rhomboidal, apical not apparent; basal joint of antennæ stout; they are closely annulated with black: wings deflexed in repose; superior oblong, tip rounded; gray, transversely but irregularly striped with brown and chestnut, one-third of the base and a space towards the posterior margin darker, at the centre of this is a brownish-ochreous orbicular but not well-defined patch; the costa is spotted gray and dusky; the cilia are griseous with a black line at the base: under-wings pale golden-brown; cilia tinted, with a darker line: the under-side is of an uniform pale golden-brown, the costa slightly spotted: hinder tibiæ stout, with a pair of spurs below the middle, a little longer than the apical pair: expanse from 6 to 6¾ lines.

6. 27. *Spilonota* (*Sideria*) *achatana,* W.V.; *marmorana,* Hüb.; Curt. Brit. Ent. pl. 551. The 12th July, 1848, I beat four out of blackthorns by Pole Hill, near Uxbridge.

7. Genus 955, 5. *Anchylopera Lyellana,* Curt. Brit. Ent. fol. 376, having been first added to our British fauna by Sir Charles Lyell, who took it in June at Kinnordy in Forfarshire, I named it after my friend, but it seems to have been described previously by Treitschke under the name of *Phoxopteryx myrtillana,* and has been since figured by Duponchel, vol. x. pl. 253. f. 4.

8. 8. *A. diminutana,* Haw.; *cuspidana,* Treit. I have taken it the middle of August at Mickleham in Surrey, and Mr. Dale finds it at Lulworth in Dorsetshire.

9. Genus 957, 12. *Carpocapsa nigricana,* Haw. Our specimens do not agree with the Fabrician description, but Haworth's insect seems to be the *Grapholitha nebritana* of Treitschke, and is the "*Pisana*" of Guené, according to examples from Paris, which Mr. Doubleday obligingly showed me. This is a most interesting species, as it is the parent of the maggots in peas, which we have so long endeavoured to rear, but unsuccessfully.

10. 25. *C. Queketana,* Dale, was first discovered I believe on a bank going to Burkham on the south side of the river the end of April 1842. I fear this name will fall, as Doubleday considers it the *T. fractifasciana* of Haworth, and the *Eriopsila caricana* of the continent.

11. Genus 959, 1. *Cnephasia bellana,* Curt. B. E. pl. 100. Immediately after a most successful entomological tour made in Scotland by Mr. Dale and myself, during the summer of 1825, I published this beautiful species, being one of the novelties I detected ascending Arthur's Seat. Nine years after it was described by Stephens as the *T. Penziana*?; *T. octomaculana,* Haw., being given as a variety. Wood of course followed in the same wake, and has consequently figured my new species as '*Penziana,*' and omitted to delineate '*octomaculana,*' which is distinct enough from *C. bellana,* but considerably like, if not identical with, Hübner's *Penziana,* pl. 14. fig. 85.

Here is one amongst hundreds of instances in which names have been changed and misapplied from either ignorance or caprice to the destruction of science, creating a mass of confusion, which it is to be hoped Mr. Henry Doubleday and Mr. Stainton will eventually set right.

12. 2. *C. octomaculana,* Haw. MSS., expands from 10 to 11 lines: it is pale fuscous: superior wings white or grayish-white with two irregular brown bands; the first near the base angulated, edged with black and not reaching the inner margin, second crossing the middle obliquely, very irregular, dotted with black, forming a kind of triangle on the costa united to a rhomboidal spot on the disc and detached from a smaller one on the inner margin; towards the apex is a spot leaving a pale patch on the costa, and a smaller one nearer the tip; towards the posterior margin are two or three irregular oblique lines of black dots.

Of this rare species, which has never been described, I caught two the 19th July, 1825, which flew out of a stone wall near the Inn at the base of Ben Lawes.

13. 3. *C. cretaceana,* Curt. It expands 10 lines, and is chalk-white: superior wings with very faint indications of spots and bands freckled with gray: inferior wings pale fuscous. I never

× I have a copy of Hübner's fig of T. Penziana

met with this insect but once, and then in abundance on the paling round Dover Castle in July 1829. I suspect it is only a strong variety of *C. octomaculana*, as some of my specimens approach that insect.

14. 10. *C. rectifasciana*, Haw. I am not satisfied that this is the insect figured by Hübner (pl. 38. f. 238) under the name of *T. hybridana*: it is larger and darker, and the markings have a different character; indeed it reminds me more of a variety of *T. comitana*.

Mr. Doubleday having applied my generic name to that portion of the group which is not typical, it becomes necessary to repeat, that the type of *Cnephasia* is a species abundant on elm-trees, the *T. logiana* of Haworth, which in 1826, when I established its characters, was believed to be synonymous with the Linnæan species, as well as with the *T. pascuana* of Hübner, pl. 16. f. 99. The name *Sciaphila*, which Mr. Doubleday has substituted for *Cnephasia*, was not published by Treitschke until 1829, and could not therefore be applied to my group, even had it not been preoccupied by Schönherr for a genus of Curculionidæ four years before Treitschke adopted it. It may be as well to correct the spelling of Hübner's name, which in his letterpress is *pascuana*, but by an error of the engraver the *c* has been converted into an *i*, making the unmeaning word *pasiuana*, and *passivana* of Doubleday's list.

15. Genus 960, 1. *Orthotænia* (*Euchromia*, Step.) *formosana*, Curt. B. E. fol. 364. This was described by me in 1831, not as the *T. formosana* of Hübner as indicated by Mr. Doubleday, a species I am unacquainted with, as well as his *T. flammeana*, neither of which can I find in the Index to Hübner's works nor in Treitschke.

16. 13. *O. Arbutana*, Hüb. pl. 31. f. 195. Mr. Dale feels confident this is the *T. Arbutella* of the Linnæan cabinet.

17. 7. *O. alternana*, Curt. *ib.*: *Daleana*, Doub., was also described in 'Brit. Ent.' in 1831, where I adopted the names in the 1st ed. of my 'Guide,' and not of the 'Wiener Verzeichniss,' where I am unable to find *T. alternana*; and even if it be there, I must protest against the superseding of established specific names, unless the name has been employed in the same group previously. If such be the case in the present instance, I fully approve of the name of my friend, which Mr. Doubleday proposes.

18. 8. *O. gramineana*, Curt. ib., also described on the above page of 'Brit. Ent.' At that time I stated it was "most allied

to and the size of *O. cespitana*, Hüb.," an opinion which has recently been confirmed by Mr. Doubleday.

19. 9. *O. cespitana*, Curt. ib. Mr. Doubleday being satisfied that this is not Hübner's insect, but one described in the 'Isis' by Mad. Lienig as *T. palustrana*, my name must be transferred to the preceding species. I regret to see it separated from *Orthotænia* and made one of a new genus called *Mixodia* by Guené, for surely it cannot be necessary to form a genus to receive a species so closely allied to *O. cespitana*, that one may be mistaken for the other: sections are infinitely better, and to these we must come at last, when we have been overwhelmed with the burden of generic nomenclature. This extravagant rage for making genera has however had its use, having led to a refinement of discrimination which has been most beneficial in correcting the slovenly habits of investigation that attached even to the magnates of the last century and somewhat later.

20. Genus 963, 6. *Cochylis marmoratana*, Curt. Brit. Ent. fol. 491. The species since described under the name of *luteolana* by Stephens, and figured by Wood, pl. 37. f. 1140, appears to be a variety of my *marmoratana*.

21. Genus 967. *Peronea*, Curt. Brit. Ent. fol. & pl. 16. Since this genus was published in 1824, prodigious strides have been made in entomology, and large quantities of these *Tortricidæ* have been bred by Mr. Doubleday, who considers a vast number of the species merely varieties of two types, viz. *T. cristana*, W. V., and *T. hastiana*, Linn. If Lepidoptera vary to such an extent, it may be well asked, 'What is a species?'

Family Crambidæ.

22. Genus 991[b]. *Anerastia*, Zell.; *Abraxes*, Guide. Abraxes Hk.

2. *Farrella*, Curt. Cab. Expanse 11 lines; and similar in form to *A. Marisci* or *T. lotella*, Hüb. pl. 48. f. 334. It is whitish, the horns are very slender and flesh-coloured, as well as the back of the thorax: superior wings narrower than in *lotella*, gray freckled with brown; the costa brown, with a white streak from the base to near the tip, and a suffused space of ochreous flesh-colour along the centre; before the middle, on the inner margin, is a black dot, and three more beyond the middle in a curve, one being on the costa, another on the inner edge of the white streak, and a third below it: inferior wings pale silky smoky lilac.

For a specimen of this pretty and distinct species I am indebted to Mr. H. F. Farr: two or three were taken at the North Lighthouse, Lowestoft, the beginning of June 1840.

23. Genus 993, 9[b]. *Phycita bilineata*, Curt. Cab. It is the

a wrong ♀ of P. falsombella.

size of *P. fusca*, Haw., but of a pale mouse-colour with a slight ochreous tinge, and the upper wings are narrower with a pale irregular transverse line, a little more than one-third from the base, but it does not seem to reach the costa, and there is an indistinct blackish dot on the disc: the under-wings are pale smoky with a nacreous silky surface: the antennæ are very slender and apparently simple, but it is a very old and imperfect male which I took when residing in Norfolk.

24. Genus 994, 6. *Eudorea Portlandica*, a name given to this moth by Mr. Dale, from his finding it only in the Isle of Portland. It seems to me to be the *E. phæoluca*, described and figured in the Linn. Entom. vol. i. p. 306. No. 15. fig. 13.

25. 6[b]. *E. concinnella*, Curt. Cab., expands 7 lines, being much smaller than *E. Mercurella*, Linn., which it most resembles: it is however entirely of a dark brown; nearly one-third from the base of the upper wings is a curved whitish striga, and intermediate between it and the shoulder is another; on the disc is an indistinct black ♀, beyond it an oblique white line, suddenly curved near the costa; a line of black dots at the base of the cilia, forming a little black spot near the middle, surrounded by gray scales, extending irregularly along the posterior margin: under-wings pale brown, whitish at the base.

I cannot remember where I took this distinct and unique specimen, unless it was at Bournemouth.

26. 8. *E. lineola*, Curt. Brit. Ent. fol. 170. It expands 8 lines, is white, head, palpi and thorax grisly; abdomen fuscous, edges of segments white: superior wings rather narrow, clouded with brown; the base is brown with an oblique black and white costal stripe, reaching only half across and forming on the costa, with the next, a white patch; this second line is white, very tortuous and margined with black externally; to the centre loop is attached a black oval spot; above it, but nearer the middle, is a small white dot in a black ring, and beyond it a black ♀, white in the centre; towards the hinder margin is an oblique sinuose white striga with a large curve, filled internally by a brown patch, and externally at the costa and opposite extremity are two other brown patches, the latter with a black arrow-head; these leave a semi-oval white space on the hinder margin, at the centre of which is a small brown spot bearing black pointed dots extending along the cilia, which is spotted black: under-wings fuscous-white, with a transverse pale sinuated line nearly parallel to the margin, as noticed in 'Brit. Ent.'—Wood's fig. 1446 is not good.

27. 9. *E. Resinea*, Haw. Lep. Brit. p. 499. Mr. Stephens having described this species under the above title in 1834, I

consider that it is quite unnecessary to disturb a name by which it was so well known, to admit one proposed by Guené, who in a letter calls it *delunella*. It was no doubt negligent of Haworth to transcribe Linnæus's characters of his *Tinea Resinella*, which he did with ?s, but as there is no such Linnæan insect as *Tinea Resinea*, no confusion can arise from retaining Haworth's and Stephens's name, by which it is identified in all our catalogues as well as by Wood's figure 1448, and an appropriate name it is, as the moth is always found on the trunks of Coniferæ.

28. 13. *E. angustea*, Curt. B. E. fol. 170, expands 7 lines. It is ashy-brown, the upper wings very narrow and gradually tapering to the base, towards which is an oblique broadish pale curved line, dark outside; on the disc are a minute oval and the usual ♀ spots, but indistinct; and beyond them a very oblique sinuose pale narrow line well defined, the inner margin brown; base of the cilia gray with a line of black dots: under-wings pale yellowish-fuscous.

Wood's figure 1450 is not my *E. angustea*, but merely a variety of *E. Mercurella*. The only specimen I possess I caught in a damp cave at Tunbridge Wells the end of Aug. 1819, where I saw many more.

29. 14. *E. alpina*, ~~Dale's MS~~ Curt. It expands 9 lines and may be only a large variety of the foregoing, but all the examples are paler, with an additional black oval spot below the minute one on the disc, and upon the under-wings is a pale transverse striga nearly parallel with the margin.

Mr. Dale's specimens were taken on Schichalion.

Family Tineidæ.

30. Genus 1008. *Depressaria*, Haw.; Curt. Brit. Ent. fol. & pl. 221.

20. *D. bipunctosa*, Curt. Guide. It expands 11 lines and is whitish-ochre, the spaces between the marginal nervures of the upper wings are slightly fuscous, and on the disc of each are two distinct black dots, forming a longitudinal curved line, with another at the base, and the apex of the costa and posterior margin bear ten black spots: the under-wings are pale fuscous: antennæ and legs fuscous.

This is not a variety of Hübner's *T. Verbascella*, as I once suspected, and it certainly is not of any species I possess. It is the form of *D. liturella*, W. V., but is smaller, and at once distinguished by the colour of the legs, the uniform tint of the upper wings, with the dotted costa and darker under-wings. The only specimen I have seen was taken in the New Forest by Sir Charles Lyell about twenty years since.

31. Genus 1009. *Anacampsis,* Curt. Brit. Ent. fol. 189.

5. *A. lucidella,* Step.; *Cleodora lucidella,* Wood, pl. 40. f. 1240. This rare insect I found on some rushes near Newchurch in the Isle of Wight, the 1st of July, 1842, and Mr. Dale has taken it in the New Forest, on Reeds in a Marsh-fish

32. 26. *A. Lyellella,* Curt. It expands 6 lines and is cream-coloured: antennæ and legs mouse-colour, the latter spotted and striped with black externally: superior wings with three black costal spots, first a long one next the shoulder, a second at the centre, and a third further and larger; on the inner margin is an oblong patch, neither reaching the base nor the anal angle, yet extending more than midway to the costa; apex brownish with a black semicircle inclosing a dot at the tip: under-wings broad, suddenly pointed, pale fuscous and iridescent.

My specimen was taken by Sir C. Lyell the 9th of April in the New Forest.

33. Genus 1013. *Cleodora,* Step.; Curt. Brit. Ent. fol. 671.

6[b]. *C. neuropterella,* Zell. This insect, which I supposed was the *T. falciformis* of Haworth, I took in Aug. at Mickleham. One of my specimens expands 11 lines: the upper wings are falcate, ochreous shaded to white on the interior margin; the nervures and spots between them are rosy-fuscous or mouse-colour.

34. Genus 1015. *Aphelosetia,* Step.?

6[b]. *A. Inulella,* Curt. It expands 5 lines and is white: scales on head depressed; palpi recurved, scaly to the apex: superior wings narrow, lanceolate, ochreous, and freckled; costa, a line along the middle, with the radiating nervures and inferior margin white, and sometimes there is an oblique white stripe near the inner angle directed towards the tip; cilia long, pale, and dotted at the base: inferior wings silky dove-colour, nearly as broad as the superior, truncated at the extremity, the apex produced; cilia long and thick; hinder tibiæ stout, with hairy scales.

Very like *A. rufo-cinerea,* Haw., at first sight, but besides other differences, the under-wings are not lanceolate, which indicates an affinity to *Cleodora.* I bred two from flowers of *Inula dysenterica* the 28th of Aug. 1848, collected near Ryde in the Isle of Wight, and no doubt the caterpillars fed upon the seeds in the receptacles.

35. Genus 1017. *Damophila,* Curt. Brit. Ent. fol. 391.

3. *D. brevicornis* of Dale and the 'Guide' is the *Butalis æratella* of Zeller, Mr. Stainton informs me.

36. Genus 1021. *Pancalia,* Curt. Brit. Ent. fol. 304.

2. *P. fusco-cuprea,* Haw., I have taken at Podimore, near ~~Sherborne~~ Ilchester in ~~Dorset~~ Somerset, the 8th of October. Podimore

flava Fab.² Sup: Haw. 147, 4
strawiscola H. D. Cool. 5, 314.
gilvola H. 2. 98 a.

Setina Schr. Ste 2. 98 Lep. Bosia Hub:
mesomella L.
eborina F. Haw. Hub: 53 f. 266.
3 lutarella Haw

Endrosa Hub.
ferrorea Schr. Hub: Esp:
irorella L. Ste fl 17 f 1.
inornata F.
complicata Hub: 35 f 108
roscida Ste 2. 100

Eilema F. Haw. Hub:
lurideola Zinc.
griseola Hb. L.
rosea F.
miniata Haw: Hub.
rubicunda Hub.

830 Scoliopteryx Gen: f 12. Calpe & Calyptra Ste. 3. 29. Ochs 5, 2, 168, 63 – Gonoptera Lat. Gdo 7, 477
Libatrix L. Dou. 6 f 216. Sepp 1, 15. Stew. 169

13. Mar. 63 in an unlit house, quite perfect. J. Bladon.
e Apr. Poplars & Pales. In Houses, Espin Norf. Newcastle, Mont. Carlisle
e Aug. 2 dings 1st of June
e. Oct & 6. Nov: at hibernates in Mont. Carlisle & Jordine. Larvae in my Beech hedge
Cat: on Ground Ivy & Rose: Willow, Poplar

831 Helio-strobus Bois: Ste 2. 189. Dalunca
Pisaris F. Haw. Ochs
hypericoides Dou: 15. 505
Lolii Esp. Goda fl 90
Grammis Hub. Ste.

Pachetra Gen. Eucosmus Hüb: W.V. Ochs: Goda Ste 2. 190 fl. 24 f 1 ♀
fulminea F.
vestigialis Esp ♂
ravida Esp ♀

July Woods. Gardens S. E. Dover, Kent.
Sept. 6. 16. N. Walker Hampstead Park N.W.
2 dings 2 sort. attracted by light at Cambridge green & Hampstead eg. 5 ... in

e. May. Stephens' Cat.
July at Brentl, Mullard?

Cat. Achillea & Spartium

832 Charæas Ste 2. 103. Phiomia Ochs: vol. 5 Cat Mag. 1. 200.
Graminis L. Dou: 13, 658. Stew 157
tricuspis Esp: Hub: 0.0
E. 0. 13, 1. 15 1572 Cat:

July Coombe. N. Wm Hasca meet Dorset Heathy, fields, Sides Banks, Espin.
e Aug. grassy banks & well covered Heather, 3rd Dorset 18th Black rock. Christ 5th & 8th Lymon
meadows, near Sowbridge. Sept. Wantmoor down. Edelston
flowers of Teucrium Scorodonia, Lucerne & Kidney Vetch, Sainfoin & Trefoil
Cat. Lime on roots of Grass or Trefoil. Wilson July 5th 18 under Cat Mag. 1. 200.

833 Rusina Ste 2. 111
ferruginea Esp.
tenuis Hübner Hub. Ochs 5, 1, 180 Goda
fulvia Haw: 133, 94.
Cat. Ochs 833, 32 Cat.

e June Hedges Tawes Wk; Lanark. Mr N. Walker
Jul. Skirts of woods. Stone. Wimbledon Com; not uncommon at Espin
e May Mr Lignumedo reported.
from Jul. to Sept. Mr Hunger & ...
Cat.
June, Shooter's Hill in the wood.
Devon. Cumberland? Wanshall.
... Lane, near Kennoch Perthsh.
... Stones, Norwich.

834 Agrotis Hub: Ochs: 5, 1, 125. Curt. 165
nigra Hub. ~~Ste 2. 113 Esp. 89 Ste fl 22 f 2~~
Ethiops Ochs: nigricans Hub:
albicolon Hub?

fusca Haw: 119, 68
castelnata Ste
consimilis Ste. 2. 113
orthogramma Ste.

Jul? Common.
Sept. Birch. 15th 23, Six at sugar, Birch wd, S. Stevens. Fields Lancas.
... Park. Fence Dart? Heath Dong.

Leperina Haw. autumnalis Curt
Charæas Ste. respicis Ste. 2. 109. 1. W.V.
confinis Ste 2. 109, 2

Sept. Lanes near Bexley & Darford Common. Stellon, Kent.
Oct. in a garden at Cadham w. Lyndhurst M. Lyell
on 21. 9 at Tidmarsh Devon, Marshall: Fell on a house Cambridge
2 Aug. at Lewes Brighton, N. Cooper. E. Espin. on hayes on Wrothing. Sides of Ditches among Grass Degeon
Cat. on grass.

3. *P. fusco-ænea,* Haw., is twice as large as the foregoing species. I have met with it the middle of August on the Downs near Lulworth, and also at Micklcham.

37. Genus 1023. *Microsetia,* Step.

4. *M. sericiella,* Haw. I found this little moth in abundance on the flowers of *Euphorbia amygdaloides* in Grovely Wood, near Wilton, the 9th May 1842.

Genus 1025. *Argyromyges,* Curt. Brit. Ent. fol. 284.

38. 1. *A. Autumnella,* Curt. B. E. pl. 284. This species is now decided to be the *T. Clerckella* of Linnæus, and the *A. Clerckella* of our cabinets is called *scitella.*

39. 1[b]. *A. Acerfoliella,* Curt.; *Padifoliella,* Stain. The *male* expands 4 lines, and the antennæ are longer than the wings: it is sickly-white, superior wings very narrow, falcate, fuscous with a pure white stripe along the interior margin, surrounding a long oblique curved line at the anal angle; the apex attenuated, incurved, spotted black and white with a very black dot at the tip: inferior wings very narrow, smoky as well as the long cilia. The *female* is near 5 lines in expanse, fuscous; head and thorax white: superior wings very narrow, less falcate than in the male and terminating like a feather, rich brown, the interior margin pure white with the inner edge irregular, forming a square near the base, an oblique lobe at the middle, and a loop at the anal angle, inclosing a brown spot; the cilia of the apex is white with black crescents on the extremity of the costa and round the tip, where there is a black dot: inferior wings very narrow and tapering to a point.

For a pair of this rarity I am indebted to Mr. T. Desvignes, who took several in September and October flying out of maples and whitethorns in Whittlebury Forest. The sexes seem to vary considerably, but neither of them agrees with Hübner's figure of *T. Padifoliella,* pl. 46. f. 316, in which the costa is white and the interior margin spotted dark, whereas in our species it is exactly the reverse.

40. 16. *A. hortella,* Fab., I took in a plantation near Wandsworth the 19th of May.

41. 21. *A. Cydoniella,* Step., is the *lautella* of Heyden. I found a beautiful specimen in Mullet's Copse at Glanville's Wootton the 18th May 1842, & Mr. Bate took another there.

42. 6[b]. *A. maritima,* Stain. MS. The 26th of August, 1836, I first discovered this species on the banks of the river by St. Vincent's Rocks. It was tolerably plentiful.

43. 7. *A. obscurella,* Step. Ill. iv. 259. This insect occurs

amongst long grass in young plantations. I have taken it near Glanville's Wootton, Dorset, the 18th May.

Genus 1028. *Telea,* Step.

44. 2. *subfasciella,* Step. Ill. iv. 247. This I met with the 30th June at St. Martha's, near Guildford; the 9th July on Turk Mountain, near Killarney; and the 11th August at Micklcham.

45. 8. *Curtisella,* Don.; *cœnobitella,* Hüb. It is now believed that the black *T. obscurella* of Hübner and the *T. picæpennis* of Haworth are only dark varieties, but I have not seen any intermediate ones.

46. Genus 1030, 2. *Ypsolophus, Persicellus,* Haw., I find is not a variety of his *Y. bifasciatus,* the *T. sylvella* of Hübner; but a distinct species.

Genus 1031. *Cerostoma,* Lat.; Curt. Brit. Ent. fol. 420.

47. 4. *C. Xylostella,* Linn. I have a specimen expanding $7\frac{1}{2}$ lines, with the stripe on the inner margin of the upper wings nearly concolorous with the rest, but I believe it is only a variety of this common species.

48. 5. *C. Dalella,* Stain. Syst. Cat. p. 11. This species was first given to me many years since by Sir C. Lyell, who took it at Kinnordy, and the beginning of August 1825 I discovered it amongst heath on the face of a rock in the Isle of Bute. As it agreed pretty well with Hübner's fig. 164. pl. 24, I gave it as his *T. vittella* in my 'Guide.'

Genus 1031[b]. *Acrolepia,* Curt. Brit. Ent. fol. & pl. 679.

This is a very remarkable group, so greatly resembling the *Tortricidæ,* that a careless observer, omitting to examine the palpi, would at once include it in the wrong family. In 1838 this genus was established in my 'Brit. Ent.' by dissection and elaborate definitions, and as Zeller did not publish the group until nearly two years after, his name and not mine must fall by the law of priority, which Mr. Stainton very justly recognises to its fullest extent.

49. 1. *A. autumnitella,* Curt. B. E. ib. I should not hesitate to adopt Mr. Stainton's opinion, that my species is the *Tortrix pygmæana* of Haworth's 'Lep. Brit.' p. 439, if he did not give 4 lines as the expanse of the wings, for my examples measure from $5\frac{1}{2}$ to $5\frac{3}{4}$ lines. Wood's figure 1136 of *Eupœcilia pygmæana,* as he calls it, after Stephens, is apparently identical with my insect, as well as Duponchel's *Hæmilis Lefebvriella* (v. 11. p. 141. pl. 290. f. 11). Since this genus was published in the 'Brit. Ent.' I have seen specimens of *A. autumnitella,* flying in the day-

time about rose-trees in my garden at Hayes, the beginning of April.

50. 2. *A. Betulatella,* Curt. B. E. pl. & fol. 679. The only specimens I have seen were taken by Mr. Dale off birch-trees at Castle Eden Dene the beginning of August 1837. I have however a new species to describe which I shall name

51. 3. *Marcidella,* Curt. Cab. It expands $6\frac{1}{2}$ lines, and is pale rusty-ochre: palpi recurved and tapering; antennæ slender, white, and dotted; head and back of thorax whitish: superior wings oblong, very much mottled, the costa arched and minutely spotted, with a dusky patch just beyond the middle, terminating internally in a longitudinal black line; from the outer angle projects obliquely a short brown line, and at the centre of the posterior margin may be traced an imperfect ring inclosing two or three short black streaks on the nervures; on the interior margin, before the middle, is a pale conical spot, with a dark margin next the base; cilia fuscous with a dark line at the base and two little black lines at the tip, forming one or two white dots: inferior wings as broad as the superior, very pale mouse-colour, apex ovate-lanceolate.

A pair of this moth was given to me by Mr. Robertson I think: the specimens have a worn or faded appearance.

52. 6. *A. granitella,* Fischer, has been sent to me by Mr. Dale. It is allied to the genus *Cerostoma.*

Genus 1038. *Gracillaria,* Haw.; Curt. Brit. Ent. fol. 479; *Ornix,* Treit.

53. 1. *G. Taxella,* Curt. Cab., expands $3\frac{1}{2}$ lines, and is similar to *O. Meleagripennella* of Hübner, but the wings are not so narrow, and a double white spot near the tip of the costa distinguishes it. It is white; the hairs projecting from the forehead are brown: antennæ long and dotted: superior wings broad towards the apex, fuscous, with a lilac tinge at the extremity; ten white semicrescents ornament the costa, two at the apex nearly uniting and inclosing a black dot, which is bounded by black and white lines like a feather; the fringe is white with a fine black line; on the interior margin are two black spots, with white ones between them: inferior wings lanceolate and mouse-colour: abdomen fuscous spotted with white, the apex tufted in the male; the organs of generation bright ochreous: legs white and spotted.

The 2nd June 1839, I beat a few specimens out of yew-trees at Mickleham.

Genus 1040. *Pterophorus,* Geoff.; Curt. Brit. Ent. fol. 161.

54. 17. *P. similidactylus,* Curt., Dale. As neither Stephens's

Lithodactylus Tr.

description nor Wood's figure answers to my insect, I will add the characters of this species, which was unknown until I took three flying near the ground by a hedge at Niton, in the Isle of Wight, the 30th of July 1828.

It expands 1 inch and is yellowish-white: the superior wings are more or less freckled, deeply cleft, the upper lobe narrow and curved, the costa and inferior margins are tawny, forming an oblique line towards the extremity composed of two trigonate spots, that on the costa being the larger: inferior wings yellow-fuscous, divided into three rays, without any lobe on the abdominal one: legs white; thighs and hinder tibiæ tawny, the latter tipped fuscous; anterior tibiæ clavate and brown, except at the base, intermediate clubbed or tasseled with brown scales at the apex, and another similar tassel at the middle.

P. similidactylus varies in colour greatly, for one of my specimens is of an uniform dove-colour, except the darker markings on the upper wings, and the white but spotted legs. It is distinguished from the allied species by the narrow upper lobe of the superior wings and the tasseled spotted tibiæ.

18, Belitha Villas, Barnsbury Park, 1st Jan. 1850.

XIV.—*On Deposits of Diatomaceous Earth, found on the shores of Lough Mourne, County Antrim, with a record of species living in the waters of the Lake.* By the Rev. W. Smith, F.L.S.

During a late visit to the North of Ireland I had placed in my hands, by Mr. J. M'Adam of Belfast, a small quantity of earth which from its peculiar appearance he fancied might contain the shells of "Infusoria." A very slight examination convinced me of the correctness of this conjecture, and proved that the entire substance of the earth in question consisted of a mass of unbroken or fragmental siliceous shells of various *Diatomaceæ*. Being desirous of ascertaining the exact nature of the deposit from which the earth had been procured, and how far it had claims to the character of "fossil," a term which has frequently, but I fear without sufficient consideration, been given to similar collections of these beautiful exuviæ, and understanding from Mr. M'Adam that the determination of the point would be of some importance as regarded a paper on the Geology of the district which he hoped in a short time to prepare for the 'Annals,' I determined to visit the spot, and record the particulars required from personal observation.

Lough Mourne is a sheet of fresh water of about two miles in circumference, lying amidst a range of low hills to the north-east of the town of Carrickfergus, at the distance of four miles from

that town, and about fifteen from Belfast. It occupies a basin in a plateau which does not appear to have any land of a much greater elevation in the immediate neighbourhood; the lake is therefore fed by the surface-drainage of a very small district, and has no further apparent sources of supply, with the exception of a spring at the north-west corner, the produce of which is of little importance. It is however worthy of note, that a small stream, sufficient to turn the wheel of a corn-mill in the neighbourhood, approaches within a few hundred yards of the lake, and falling into a natural pit or cavity, is lost to view, and is said to reappear at some distance southwards, and there unite its waters with those of the streamlet flowing from the lake, to whose larger mass it had thus fastidiously refused to contribute its supply. However this may be, it is certain that the lake itself is not subject to any serious disturbance from the sudden increase of its waters by floods or otherwise, and that its quiet depths and great purity are peculiarly favourable to the development of *Diatomaceæ*. The level of the water however appears to have been lowered to the extent of several feet by deepening the outlet from the lake, a course which seems to have been adopted in the hope of increasing the supply to a mill now in ruins, a fate not unnaturally the result of so reckless an expenditure of the capital represented by the waters of the natural reservoir, thus improvidently drained of its contents. The facts I have mentioned will account for the circumstances to which I proceed more particularly to refer, and which I noted during a brief survey of the shores of the lake in company with Mr. Geo. C. Hyndman and Mr. J. G. Smith on the 6th Sept. 1849.

On the north-east shore of the lake, at the height of about four or five feet from the present level of its waters, there occurred a stratum of diatomaceous earth corresponding with that alluded to in the opening of this paper. This layer was about six inches in depth and of great purity, containing but little foreign matter, and that chiefly the decayed filaments of the water-plants to which the living *Diatomaceæ* had been attached, or in company with which they had floated to their present position. This deposit when moist was of a dull gray colour, and resembled soft, freshly made soap; when placed upon the tongue, the taste was that of a smooth oleaginous substance. The sensation thus perceived is no doubt to be attributed to the extreme minuteness of the shells and their usually rounded outline, presenting no angles to grate upon the papillæ of the tongue or finger. When dried in mass, the earth is of a delicate cream-colour, when pulverized of a pure white, and forms, as I have proved, an excellent material for polishing silver plate. This layer must have required a long series of years for its gradual accumulation: its elevation from

[From the London and Edinburgh Philosophical Magazine.] v. 2. 1834.

XXVI. *Descriptions of some nondescript British Species of May-flies of Anglers. By* John Curtis, *Esq., F.L.S., &c.**

As few insects are more remarkable in their œconomy or more employed for the amusement of men than the *Ephemeræ* and *Phryganidæ*, I hope the characters of some new genera and species may induce others to pay attention to these curious and interesting tribes of insects.

The following descriptions are scarcely more than the essential characters: the numbers refer to Mr. Curtis's Guide to an Arrangement of British Insects, in which a list of the species has been given.

Order NEUROPTERA. Fam. Ephemeridæ.

Gen. 734. Ephemera *Linn.*

7. fusca *Curt.*

2¼ lines long: dull piceous, the space between the eyes and the base of the anterior legs ferruginous, the others ochreous; filaments longer than the insect, pale lurid, dotted; the articulations long: wings transparent, superior with few transverse nervures and the longitudinal ones most distinct; inferior very small.

Gen. 735. Baetis *Lea.*

A. The wings very much reticulated.

2. dispar *Curt. Brit. Ent. pl.* 484.

The Pseudimago† of this insect may be the *E. venosa* DeGeer.

7. costalis *Curt.*

5 lines long: slender, pale castaneous, sides of thorax, apex of abdomen and legs ochreous, the joints of tarsi fuscous at the articulations; filaments very long, pale yellow, each joint with the apex black: superior wings with the costa brownish yellow.

6. elegans *Curt.*

4½ lines: bright ochre, abdomen inclining to pale chestnut; filaments whitish dotted with fuscous, tarsi with all the joints tipped with black: wings beautifully opalescent, stained very pale yellowish brown, the costa darker, especially towards the apex.

* Communicated by the Author.

† By Pseudimago I designate the fourth state of the *Ephemeridæ*.

from Walton; Eng. also in fields on Gladen of grass & Fucus maritimus. Eng. Flora. 1. 1861.

1. hirsutus Fr.	Hab. 166 f. 782 & 5 f. 786 f.	[illegible] Lancaster.
tilosa Bois:	[illegible]	6 Sept. sandy hills near Lancaster. Mr. S. Bull
hirta Desf. 6. 275, 4. 30. f. 3.		29 Oct. [illegible] Rock 15 on rocks of Bull & Mr. Bond in 1855. he gave me 1.
3 Dumeriii Duf. 6. 275. 4. 30. f. 2.		Cat. Normandy stones: fecorne Le Huse. plantain &c. Fuga Decipiens a coccum of grain, Gearth & white silk. [illegible]
3 b. [illegible] albiniana Bois.		[illegible] Mango, Dr. [illegible] Walker
nigra Hans. 192. 89 Hepatic 2. 110, f. 20 f. 2.		T. Jones

5. mellea *Curt.*, a beautiful Pseudimago.
5½ lines: bright ochreous, eyes black, segments of abdomen edged with brown, with a trigonate brown mark on the back of each; and the spiracles forming a double row of black dots down each side; filaments longer than the insect, dotted with brown: wings pale yellow, costa a little darker, nervures yellow and brown.

5ª. straminea *Curt.*, a Pseudimago.
4 lines: deep straw-colour, eyes black, segments of abdomen edged with brown wings, fuscous-ochre, tarsi fuscous at the apex, filaments whitish dotted with brown.

8. flavescens *Curt.*, a Pseudimago.
Like the last, but only 2½ lines long.

8ª. lateralis *Curt.*
3½ lines: piceous, shining, an orange spot before the wings; abdomen dull ferruginous, the sides paler, with the spiracles piceous; filaments very long: wings with the 3 costal nervures rosy or ferruginous; legs lurid, excepting the anterior, which are ochreous at the base.

9. semicolorata *Curt.*
3 lines: ochreous, thorax variegated with brown, abdomen banded with the same colour, filaments very long and slender, knees and tarsi brown, superior wings with the basal half and inferior entirely pale yellowish brown.

9ª. carnea *Curt.*
3½ lines: ochreous, with a pink tinge, abdomen darker, filaments twice as long as the insect, pale unspotted; wings elongated, with the costa slightly tinged, the nervures reddish brown.

B. Wings very little reticulated. Pseudimago with the wings ciliated.

11ª. vernus *Curt.*
3½ lines: pale ferruginous; head and thorax piceous above, with an ochreous dot on each side the collar and several beneath the wings, filaments twice as long as the insect, pale and dotted; legs dirty ochre; wings with the costa tinged.

11ᵇ. autumnalis *Curt.*
2 lines: pale castaneous brown; margin of eyes and sides of thorax ochreous; filaments thrice as long as the insect, whitish; legs pale lurid; wings with the anterior margin slightly tinged. Pseudimago more ochreous.

Gen. 736. Cloëon *Lea.*

1. dipterum *Linn.*, marmoratum *Curt.*

8. obscurum *Curt.*
The Pseudimago, I believe, of *C. aipterum*: the wings are fuscous and ciliated.

4. unicolore *Curt.*
4 lines: reddish ochre; filaments lost; legs ochreous; costa pale brown towards the tip; nervures reddish ochre.

6. dimidiatum *Curt.*
3 lines: castaneous brown; collar with an ochreous dot on each side; abdomen, especially at the base, banded with ochre; filaments very long and white, remotely dotted with black; legs straw-colour; nervures of wings very faint.

Gen. 736[a]. Brachycercus *Curt.*

Head short; eyes small and remote, at least in one sex; thorax large and ovate; abdomen not longer than the thorax, terminated by 3 very short setæ, thick at the base: wings 2, rather short but ample, the form of a Musca, with many longitudinal nervures and 3 transverse ones between the costa and disc; legs short, at least in one sex.—*Obs.* These characters, although imperfect for want of specimens, are sufficient to distinguish this group for the present.

1. Harrisella *Curt.—Harris's Exposition, tab.* 6. *f.* 3 *&* 1.
5 lines long.

2. Chironomiformis *Curt.*
2½ lines: ochreous shining; eyes black; wings milk white, costa fuscous; legs whitish. This insect somewhat resembles a large female Chironomus.

3. minima *Curt.*
1¼ line. My specimen, taken in Norfolk twenty years since, is much injured; the head and collar are blackish, the body white, legs and filaments pale ochre; wings similar to the last.

Order TRICHOPTERA. Fam. Phryganidæ.

Gen. 748. Limnephilus *Leach.—Curt. Brit. Ent. v.* 11. *fol.* 488.

A. Posterior margin of superior wings emarginate.

1. basalis *Curt.*
Expansion of wings 16 lines: pale dirty ochre; superior wings freckled with brown, leaving an oblique plain spot on the disc, with a larger one connecting it with the apex; stigma and a sinuated oblique line at the base piceous, 3 pale spots on the posterior margin; tips of inferior wings ochreous variegated with brown; body green.

2. emarginatus *Curt.*
17 lines: dull ochre; superior wings mottled with a deeper colour, a pale oblique spot on the disc unconnected with one beyond it, and a short narrow one approaching the posterior margin, which has three spots, and the edge of the angle as well as the stigma piceous; apex of inferior wings brownish ochre; body green.

B. Superior wings truncated obliquely at the apex.

3. Strigosa *Gmel.*
20 lines: dull ochre; superior wings more or less freckled with brown, having a dark longitudinal line at the apex of each wing, sometimes obliterated in the superior.

5. binotatus *Curt.*
16 lines: superior wings ochreous yellow, deepest towards the base, with three pale spots on the disc and a large one covering the transverse nervures, a large brown spot at the posterior angle; stigma large ovate and piceous.

6[a]. discoidalis *Curt.*
15 lines: superior wings pale brown, with the costa (as far as the stigma), a large spot below the disc connected with a large one covering the transverse nervures, and numerous dots semitransparent; apical margin of inferior wings fuscous.

8. marmoratus *Curt.*

14 lines: superior wings dull pale ochreous, variegated with brown, leaving an oblique transparent spot below the centre, a large one covering the transverse nervures (which are brown) and several dots surrounding them; stigma brownish.

9. nebulosus *Curt.*, probably a var. of the next.

14 lines: superior wings yellowish ochre, the posterior margin brown, with a pale lunule on the edge, the inferior margin brown also, with the disc pale, forming 2 lobes below; stigma deep ochreous.

10. apicalis *Curt.—rhombica Ahr., fas.* 9. *pl.* 13.

14 lines: superior wings dull ochreous, the lower portion variegated with bright brown, leaving an oblique subreniform transparent spot on the disc, a larger one covering the transverse nervures (which are piceous) with various dots, and a lunule on the posterior margin; stigma piceous.

10[b]. Stigma *Curt.*

14½ lines: superior wings yellowish ochre; stigma piceous.

10[c]. lunatus *Curt.*

14½ lines: superior wings brown, the costa, a spot on the disc, and a large sublunulate spot beyond it semihyaline, there are four pale rays between this and the posterior margin which is spotted brown and whitish; stigma large and piceous.

A single specimen of this fine species was taken last July at Whittlesea Mere by J. C. Dale, Esq.

12. fenestralis *Curt.*

10 to 15 lines: superior wings dirty white freckled with pitchy brown, generally leaving a plain spot near the base, an oblique one on the disc, a sublunulate one beyond the transverse nervures connected with another on the inferior margin; stigma piceous and spotted pale.

13. bipunctatus *Curt.*

11 to 13 lines: superior wings pubescent, pale brown, darkest towards the apex, very much freckled with ochreous white, the costa plain, as well as a lunulate spot on the disc, two smaller ones beyond it forming an ∂, a pale spot on the posterior margin; stigma and some of the longitudinal nervures piceous dotted with white.

14. affinis *Curt.*

11 lines: superior wings more or less pubescent, fuscous freckled with pale dull ochre; stigma, most of the nervures and the inferior margin spotted with piceous.

23. sparsus *Curt.*

11 to 13 lines: superior wings very silky brown freckled with ochre, with an ochreous mark on the inferior margin towards the angle, inferior wings pale fuscous, brown at the apex; antennæ brown, annulated with ochre; anterior tibiæ annulated fuscous and ochre.

23[b]. tenebricus *Curt.*

13 lines: superior wings very pubescent, dark brown more or less freckled with ochre, the costa often very ochreous, a spot of the same colour before the stigma and another opposite to it on the posterior margin; stigma piceous; inferior wings slightly fuscous, with the apex brown.

24. cœnosus *Curt.*

11 lines: ochreous brown; superior wings rather short and broad; stigma

scarcely visible, with a pale spot on each side the posterior angle; inferior wings paler except at the tips.

A single specimen in Scotland.

25. Vinculum *Curt.*

9½ lines: superior wings deep fuscous; the stigma a little darker with numerous pale dots, and a larger one before the stigma, two opposite on the inferior margin and another upon the transverse nervures; apex of inferior wings fuscous.

15. obscurus *Curt.*

11 lines: superior wings fuscous ochre; the stigma brown, a pale dot at the disc and 2 interrupted transverse lines of dots beyond it; inferior wings tipped with fuscous.

11. Auricula *Curt.*

10 lines: superior wings pubescent, dark ochre with a hyaline spot on the disc and a larger ear-shaped one covering the transverse nervures; stigma obscure; tips of the inferior wings pale brown.

16. ochraceus *Curt.*

11 lines: superior wings pale fuscous yellow, freckled with yellowish spots; stigma obscure; inferior wings slightly ochreous at the apex.

18. bipartitus *Curt.*

10½ lines: superior wings pale ochreous, very much freckled with brown, excepting the costa, the sixth or apical longitudinal nervure forming a brown line; apex of inferior wings tinged with ochre.

19. Consobrinus *Curt.*

11 lines: superior wings ferruginous-ochre freckled with brown excepting the costa, the posterior angle brown freckled with ochre; apex of inferior wings ochreous.

21. terminalis *Curt.*

11 lines. superior wings ferruginous ochre, the inferior portion freckled with brown, leaving a large plain subtrigonate spot on the posterior margin; apex of inferior wings pale ochreous.

22. centralis *Curt.*

11 lines: superior wings brown freckled with ochre, the costa entirely ochreous, a pale spot on the disc, a smaller one beyond it, and a large semi-orbicular one on the posterior margin; inferior wings ochreous at the tips.

17. incisus *Curt.*

10 lines: wings scarcely longer than the body, superior ochreous, the inferior margin and the nervures freckled with brown, the discoidal cell very long; inferior wings deeply notched beneath the apex, which is slightly ochreous.

17[b]. elegans *Curt. Brit. Ent. pl.* 488.

26. luridus *Curt.*

13 lines: superior wings dirty reddish ochre freckled with paler dots, the nervures darker; inferior wings with the apex tinged with the same colour.

27. nervosus *Leach.—Sam. pl.* 7. *f.* 3.

14 to 15 lines: superior wings ochreous brown, with a pale lunulate whitish spot near the centre and a dot at the base of the third marginal cell.

C. Superior wings broad and rounded at the apex.

28. radiatus *Leach.*

19 to 22 lines: pale dirty ochre; superior wings with brown spots and lines variegating the cells, the transverse nervures surrounded with the same colour, the posterior margin brown, with a long pale stripe down each cell, with a brown line in the centre.

29. hieroglyphicus *Curt.*

2 inches: ochreous; superior wings with numerous brown markings (excepting a broad portion next the costa) forming irregular pale spots.

30. Vibex *Curt.*

14 to 20 lines: ochreous; superior wings mottled with pale brown, excepting the costa, forming innumerable ochre dots.

31. latipennis *Curt.*

19 lines: pale ochreous, silky; superior wings with the edges of the nervures very pale fuscous, forming indistinct rays towards the apex.

32. stellatus *Curt.*

16 to 17 lines: superior wings very pubescent fuscous ochre, with pale lines at the base and centre of the discoidal nervures, 2 or 3 small spots at the base, a bilobed one near the centre, 2 dots by the transverse nervures and a curved series of pale streaks beyond them; inferior wings fuscous ochreous, very pale at the base.

D. Wings short, rough or hispid.

33. brevipennis *Curt.*

11 lines: superior wings scabrous tawny ochre, a pale dot at the base of the third marginal cell, another below the centre, and a third near it towards the posterior angle, posterior edge dark, dotted pale.

34. villosus *Fab.*

8 to 11 lines: superior wings hispid, being clothed with bristly erect hairs, ochreous brown, with a pale dot on the inferior margin towards the posterior angle and another above it.

Gen. 750. Phryganea *Linn.*

6. minor *Curt.*

11 lines: brown, antennæ annulated; superior wings variegated with numerous ochreous dots, forming two large spaces on the costa, two abbreviated oblique lines on the inferior margin and another parallel to the posterior margin, the edge of which is spotted brown and yellow; on the centre is a minute white dot: inferior wings pale fuscous, darkest towards the apex.

Gen. 751. Philopotamus *Lea.*

A. Antennæ rather short and stout.

4. trimaculatus *Curt.*

6 lines: fuscous with an ochreous or coppery tinge; similar to *P. variegatus* Fab., but the superior wings are more regularly sprinkled with ochreous dots.

5. conspersus *Curt.*

12 lines: pale fuscous; palpi, legs and antennæ tawny, the latter annulated with white; superior wings thickly and minutely spotted with ochre, leaving brown markings on the costa and inferior margin, and two forked ones on the disc, the margin spotted yellow and brown from the stigma to the posterior angle.

6. dorsalis *Curt.*

12 lines: ochreous; superior wings obscurely clouded and freckled; stigma pale brown, inferior margin fuscous, leaving three pale spots, the anal one minute, forming when the wings are closed three suborbicular spots down the back; the first pair of spurs below the middle in both pair of legs.

6[b]. longipennis *Curt.*

13 to 14 lines: pale dirty ochre; antennæ and legs fulvous, the former short and annulated; superior wings long, narrow and lanceolate, fuscous with innumerable yellow dots; stigma long and fuscous, bearing three yellow spots; first pair of spurs on intermediate tibiæ considerably below the middle.

B. Antennæ long and slender.

7. instabilis *Curt.*—maculatus *Don.*? *pl.* 548, 2.

Similar to Donovan's figure; but as I believe Olivier's *P. maculata* is different, it became necessary to give another name to our insect. The intermediate tarsi are dilated, in the female.

8. pellucidulus *Curt.*

15 lines: head, thorax and abdomen blackish; antennæ very long, ochreous, spotted fuscous; wings semitransparent, superior obscurely freckled with pale fuscous and ochre, margin spotted with ochre from the stigma to the posterior angle, and there are longer ochre spots on the inferior margin; legs ochreous, intermediate tarsi dilated in the ♀

10. lanceolatus *Curt.*

13 lines: wings fuscous, superior slightly hooked, clothed with shining ochreous pubescence, slightly freckled, the posterior margin slightly spotted; intermediate tarsi but little dilated in the ♀

9. angustipennis *Curt.*

10 to 13 lines: antennæ slightly serrated and annulated; head, thorax and abdomen blackish; wings fuscous, superior with an ochreous tint, ~~a large brown trigonate stigma and~~ an ochreous oblong spot before, and another round one at the posterior angle; intermediate tibiæ and tarsi compressed and dilated in the female; legs ochreous, darker at the base.

9[b]. fulvipes *Curt.* Brit. Ent. fol. & pl. 601 ♀

13 lines: black; antennæ annulated with fulvous, neck clothed with griseous hair, edges of abdominal segments white; wings pale black, superior obscurely freckled with ochre; legs fulvous, thighs fuscous.

Gen. 753. Leptocerus *Lea.*

A. Superior wings with two furcate apical cells.

11. cinereus *Curt.*

12 lines: antennæ very long, black annulated with white, clothed with griseous hairs; wings fuscous, superior clothed with grey pubescence; costa slightly ochreous, as well as some indistinct marks, a small portion of the base of the inferior wings pale ochreous; tibiæ and tarsi of the same colour.

B. Superior wings with a line of transverse nervures forming the apical cells.

12. ochraceus *Curt. Brit. Ent.* v. 2. fol. 57.

13. testaceus *Curt.*

8 lines: reddish ochre, very pubescent; antennæ long; eyes black; cilia fuscous; inferior wings transparent, subfuscous at their tips.

C. Wings very narrow, with few nervures.

15. bicolor *Curt.*

8 lines: bright ferruginous ochre; antennæ very long, black annulated with white; abdomen and inferior wings blackish; legs fulvous.

16. tineiformis *Curt.*

6 lines: antennæ $4\frac{1}{2}$ lines long, white annulated with black; cinereous pubescent; superior wings very lanceolate, the nervures dotted with fuscous: legs ochreous white.

Gen. 754[a]. Molanna *Curt.*

Antennæ stout, as long as the wings; abdomen short; wings long, narrow and rounded at the apex, superior with a short furcate cell at the apex, a long one below and an oblique nervure above it; discoidal cells very long; legs long and pubescent; first pair of spurs on four posterior tibiæ considerably below the middle.

1. angustata *Curt.*

3 lines long, 12 broad: very pubescent and silky, tawny; antennæ spotted fuscous; head, thorax and abdomen fuscous; nervures dark; inferior wings pale fuscous; legs fulvous.

Gen. 755. Odontocerus *Lea.*

2. maculipennis *Curt.*

16 lines: pubescent black; head and thorax griseous, scutellum ochreous; superior wings ochreous; nervures, margin and cilia black, a spot on the costa, the stigma, another beyond it, a large one at the posterior angle and several small ones round the disc pale black; legs fulvous, anterior pair and thighs dusky.

I took a single specimen of this beautiful insect, flying over a stream in the New Forest, in June.

Gen. 758. Sericostoma *Lat.*

Maxillary palpi recurved, densely hairy, compressed and forming an obtuse rounded front to the head in the males; elongated and distinctly articulated in the females.

1. Latreillii *Hal.*

♂ 10 lines, ♀ 14: fuscous; base of antennæ with orange scales in the male; head, excepting an ochreous spot on the crown, thorax and abdomen black; superior wings with a cupreous tint; legs ochreous, thighs griseous.

Gen. 757. Silo *Curt.*

The maxillary palpi in the males divaricate, and sparingly clothed with long subclavate hairs; the four posterior tibiæ have two pair of spurs on each.

1. pallipes *Fab. Ent. Syst.* 2. 76. 7.

Gen. 759. Goëra *Hoff. MSS.*

Maxillary palpi recurved, close to the head in the males.

A. Superior wings with one of the cells dilated and circular near the posterior angle.

4. flavipes *Curt.*

11 lines: silky-ochreous; thorax, abdomen, inferior wings and underside,

also the coxæ and thighs fuscous; antennæ brown, basal joint clothed with ochreous hairs.

1. pilosa *Fab. Ent. Syst.* 2. 76. 6.

2. irrorata *Curt.*

7 lines: ochreous, pubescent; antennæ piceous, slightly annulated with ochre, the basal joint long, stout and very hairy; wings very pale fuscous, superior subochreous, with numerous indistinct whitish dots.

B. Superior wings with the same cell short.

6. hirta *Fab. Ent. Syst.* 2. 80. 26.

This may be the female of the next species; and if so, it must be removed to my genus Mormonia.

Gen. 759[b]. Mormonia *Curt.*

Resembling *G. hirta*, but the maxillary palpi are porrected, subclavate and densely clothed with short hairs or scales in the males; three cells on the inferior margin are free from transverse nervures, excepting towards the base, where on the costa there is a densely hairy patch.

5. gracilicornis *Curt.*

10 lines: ♂ fuscous very pubescent; maxillary palpi and eyes black; antennæ, legs and sometimes the body ochreous, the former dotted fuscous; wings with an ochreous tint.

3. maculicornis *Curt.*

10 lines: ♂ pale black, very pubescent; antennæ ochreous annulated with fuscous, labial palpi, underside of abdomen and legs tawny.

Gen. 759[c]. Brachycentrus *Curt.*

Antennæ remote at the base, shorter than the wings, stout in the male, slender in the female; maxillary palpi short, divaricating and very hairy in the male: wings rather broad and rounded, superior with a small discoidal cell, from which spring three recurved nervures; four posterior tibiæ with minute spurs at the apex and a smaller pair just above them.

3. subnubila *Curt.*

10 lines: black; head and thorax with woolly griseous hairs; wings pale fuscous, the nervures piceous, especially in the superior, which bear several pale yellow spots on the stigma, the discoidal cell and one between each nervure on the posterior margin; tibiæ and tarsi ochreous.

Gen. 759[d]. Thya *Curt.*

Antennæ shorter than the wings, basal joint porrected, long, stout and hairy; maxillary palpi long, stout and hairy in both sexes; wings rounded, very pubescent, nervures indistinct; tibiæ spurred at the apex longest in the middle pair, posterior with a minute pair above the apex.

7. pullata *Curt.*

6 lines: black; tarsi shining whitish; wings with a blueish tint, superior with a few very obscure whitish spots.

8. pygmæa? *Fab. v.* 5. 202. 31.

The spurs in my specimens are longer than in the type, but the posterior tibiæ only have two pair.

4. Maurus *Curt.*

5 lines: black; wings narrower and more lanceolate, with a slight ochreous tint; legs shining dirty ochre.

Gen. 759[e]. Glossosoma *Curt.*

Male: wings with a subscutiform discoidal cell in each, superior with a knot or fold at the base clothed with rigid hairs above, concave beneath; first pair of spurs on the intermediate tibiæ at the middle, those on the posterior near the apex; a large horny subdepressed lobe attached to the underside of the sixth segment of the abdomen, with a smaller one on the following joint; *female*, with the intermediate tibiæ and tarsi very much dilated.

1. Boltoni *Curt.*

10 lines: antennæ, head, thorax and abdomen fuscous castaneous, the former annulated with and the latter tipped with ochre; wings pubescent, pale fuscous, superior with the callous lump at the base in the male, brown, clothed with black hairs; stigma and a spot opposite on the inferior margin fuscous, and each nervure terminated by a spot of the same colour on the margin alternating with ochreous spots, with an indistinct row behind them, and two or three near the disc of the same colour; inferior wings gray and transparent at the base.

Gen. 760. Tinodes *Lea. MSS.*

Maxillary palpi long and alike in both sexes; antennæ shorter than the wings and slender; abdomen short, acuminated and horny in the female; four posterior tibiæ with two pair of long spurs on each, first pair near to the base in the intermediate, and considerably below the middle in the posterior tibiæ.

A. Wings long and rather narrow, superior with a small discoidal cell and four furcate ones on the posterior margin.

5. luridus *Curt.*

9 lines: dirty ochreous; head, thorax and abdomen castaneous brown; nervures of superior wings dark brown, inferior wings hyaline and iridescent; legs fulvous.

B. Wings shorter, more rounded at the apex, superior very pubescent, the nervures very indistinct.

4. pusillus? *Fab. Ent. Syst.* 2. 81. 33.

Gen. 760[b]. Anticyra *Curt.*

Antennæ rather longer than the body, porrected, not slender; head very hairy on the crown; maxillary palpi long and stout; abdomen short, with two large horny lobes at the apex in the male; wings long and narrow, four posterior tibiæ with two pair of long spurs, first pair approaching the base in the intermediate, and below the middle in the others.

1. gracilipes *Curt.*

5½ lines: pale fuscous; antennæ whitish, annulated with black; head griseous; eyes black; wings lanceolate, superior glossy ochreous; legs slender, pale dull fulvous.

2. latipes *Curt.*

6 lines: similar to the last, but the wings are narrower, the superior more rounded, the inferior more pointed; abdomen carneous; intermediate tibiæ and tarsi dilated.

Gen. 760[c]. Agapetus *Curt.*

Antennæ not longer than the body, stout and divaricating; abdomen of male with a long incurved spine arising from the centre of the belly; apex acuminated in the female; wings comparatively short and rounded; four

posterior tibiæ with two pair of strong spurs, one pair at, the other above the apex.

1. fuscipes *Curt.*

5 lines ♂: black; superior wings and tips of inferior ochreous fuscous, iridescent, nervures darker; head and thorax with shining griseous hairs; legs fuscous; trochanters ochreous.

2. ochripes *Curt.*

5½ lines ♀: similar to the last; the antennæ are rather longer and more slender; the head, thorax and body are subcastaneous, and the legs pale ochre, basal joint of intermediate tarsi dilated elliptical.

3. funereus? *Oliv. Geoff. Lat. Hist. Nat. v.* 13. *p.* 93. 30.

Gen. 760[d]. AGRAYLEA *Curt.*

Antennæ not longer than the body, rather stout and filiform; head rather broad; abdomen short; wings long, narrow and pubescent; anterior legs stout, the others slender; four posterior tibiæ with long spurs at the apex, intermediate with *one* at the middle, hinder with a pair above the apex.

1. 6-maculata *Curt.*

4 lines: ochreous; antennæ fuscous, except at the base; superior wings pale fuscous, with two whitish spots on the costa, two bands towards the apex, and two oblong spots on the inferior margin of the same colour.

2. multipunctata *Curt.*

4 lines: fuscous; crown of head griseous; superior wings with a long ochreous spot beyond the stigma, with several small ones on the posterior margin and along the centre to the base, two oblong ones on the inferior margin and two at the base of the cilia; face, abdomen and legs fulvous.

Gen. 761. HYDROPTILA *Dal.*

4. sparsa *Curt.*

3 lines: fuscous black; antennæ and legs fulvous; head gray; superior wings with a silvery white spot on the middle of the costa, another opposite, the margin between this and the base with an interrupted whitish line, and several minute dots of the same colour round the apex.

2. Vectis *Curt.*

3¾ lines: fuscous; head whitish or ochreous; superior wings with an ochreous spot near the base, an angulated band across the middle, a spot on the cilia at the stigma, and seven round, and one at the apex; legs and belly dull silvery.

3. costalis *Curt.*

3 lines: pale ochreous shining; superior wings variegated fuscous, with a dot on the disc, the costal cilia long and black, with a long pale space at the centre.

Jan. 1st, 1834.

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Enodia Hab.

Hyperanthus L. Don. 2, 271. Sept. 1. 8. 11.
Polymeda Hab.

Erebia Boop. Dalm. — Oreina S. O. W.

Lisa L. Steph. ii. 8. 2, 13, 2, 3 f. — Lew. Br. Mus. 1. 2.
Alecto Esp. Lim. — var. Philomela Esp.

Blandina F. Don. 12. 2, 20 g. p. 20.
Ligea Lew. Br. Mus. Cat. 7.
Mneca Hab. Sch.

Cassiope F. Steph. ii. 8. — 1, 3 f. 3, 2 g. — Lew.
Mnemon Dam. Cat. Dam. 1832.
Melampus (Esp. 7. cont. 28.) Hem. var.

Tyndarus Hum. 16. 18. 2 Pill. 2. 76.
Phris Esp. Steph. ii. 7. 1, 2. not of Lam. or Lin.
Dama Godart 2. ii. 23. 1. 4 Lin. Fabr. Hab.

Polydama Steph. ii. 7. 1. 3. not Poly. meda of Hab.
& Polydama Hab. Lew. 1. 7. the 3 original specimens are Dama

Dama Hub. Lew. Fabr. Hab. — Haw.
Melampus var. Esp. 5. 52 and 2. 1. 3. 7. cont. 28. 28.
Mnemon var. Esp.
Mnemon Bark.
Hers Don. 6. 186.
Fabr. Hab.

Hers L. Ochs. Eur. Brit. Ent. 285 Godart.
Sabaw Fab.

Haw Cat. Haw. 1. 332.

Arcanius L. F. Esp. ii. 31. 1. 2. Scheff. 1. 127. 485.
Cedar. Steph. ii. 26. 1. 2.
Cat. Lew. 2.

Pyrenaica L. Lewin Esp. 3. 1. Godart.
Nephele Hum. Bark.

Thecla Fab.

Betulae L. Don. 7, 250.

Quercus L. Don. 13, 260.

L.

June Dam. grassy woods & lanes & fields. Edward
6. July 2 pine & wand.

on annual meadow grass at the roots

C

Cat. Sole & amongst Lit. Hyacinth & Mr. McLean.
Aug. Cat. Grass, shortings in woods & hedges, Cayo.
July 8, 1851. several in fir grove near Interlaken, J. R. Rayne just out.
Esq.

28 July Cat. of Durham near Brodick castle amongst Heath & Fern
upon & cliffs & grass at Rocks & Heath in springy places. Allen & mud water &
Castle Eden Dean Durham Cat. May, 1841 & admired
& 1st Sept. Morecambe Bay Lancashire. J. Mathew Esq.
July & Aug. Cat. Fairies hill vale of Doyle & in Eskdale & Lorenghaine.
Aug. foot of Windermere in Lowes Gorge. in Elsfham Park of Ellesmere.

D

June Hum. Red Alpines & Barrfield near Ambleside
18 & 26. June & Plantfield 26. 18th Rydhead tarn. J. B. H.
July & Aug. same place & in little Langdale Tarn
& Aug. the last.
Fine & pible hill & Rye land Cat. Wade water. & Borrowdale, Hutton
6th July 35 about & Skiddling & Rydhead tarn, Cat. Ingham. & Spring grass & wom.

E

June Beverley Yorkshire Mr. Cottingham on a Hull & ready marsh
in July marsh & swampy places near Schechallion, Allen & Arran
14 July. Mr. Lyell & Linnaeus very fine, ~~[illegible]~~

June Moniaive Cat. Bala & Pathrica, Menzie Hook
& in Mrs.
Manley place & Cat. [illegible]

8. July at Trafford & Wide Moss near Manchester in healthy
swampy marsh, & Cat. in Plantation
June same place Mr. Wood. 2. 46. Wheat Moss
Horne Moor, springy swamp, J. R. D.

cat on Bog land grass. Brown

in Nightingham on the borders of Ashdown Forest Sussex
c. May mountainous district & Forest in Silesia
June } a few miles to the N. of Paris in Forests
July } common in some parts of Sweden
Recorded by Emil as a British species. Lambeburst, Surrey, Sept. 2. 881.
on the borders of Ashdown Forest with the East.
May with East in Silesia
June in abundance round Paris with Hero
Jul. Ist also in meadows & Woods in Sweden
Cat. on Melica ciliata
15 July in Clermont Auvergne, mud-worn, J. C. 1830 & 33 in healthy places in the
6. May wood at Fontainebleau
begins a springy heaths & commons.
by July about 22
3. Sept.

6 Aug. Cat. crested Dog's tail grass. Cynosurus cristatus.

[illegible]

6. Sept. a few go in Sudbury J. R. Rayne.
& Aug. Capuchin & Darent Mr. Se amongst Birch
borders of woods
c. July bred 3 & which became pupa the end of May
c. June Cat. Birch & Black thorn not mean. in Gt. Westonwood N.
they change to a dull Lilac when full fed.
m. Jul. Tops of Oak & ash-trees
Aug. Thos. and Lambourne in Monks wood.

6. June Cat. Oak.

hibernica, Haw:

In Shepherd's Cab.t are Hawq.ts 2 specimens, ticketed "M.V." They are small varr. of valligera or closely allied. J. E.

Reprinted

With the writer's kind regards

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SOME NOTES ON THE *LEPIDOPTERA* OF THE "CURTIS" COLLECTION OF BRITISH INSECTS.

BY JAMES J. WALKER, R.N., F.L.S.

In a brief note in this Magazine for March, 1901 (vol. xxxvii, p. 76), I gave an account of the excellent state of preservation in which I found the famous "Curtis" Collection, now for more than forty years deposited in the Victorian National Museum at Melbourne. At the time of my first visit to that city, the conditions for a thorough examination of the Collection were by no means favourable, as, with the other insects belonging to the Museum, it was temporarily stored in the Exhibition building in the grounds of Melbourne University. It could only be then looked at, drawer by drawer, in a very narrow space between two piles of cabinets, lighted by a window sadly in want of cleaning, and it was not possible to make any but a cursory inspection of the insects.

On my second visit to Melbourne in July, 1903, I found that the whole of the Collections had been transferred to the fine Museum buildings in Swanston Street, and were arranged in the basement, in very dry and commodious quarters, but lighted only by incandescent electric light. This, however, I found sufficient to enable me to make a close and critical inspection of the entire series of British insects originally belonging to John Curtis. I must again tender my best thanks to Professor W. Baldwin Spencer, F.R.S., the Director, and to Mr. James A. Kershaw, F.E.S., the Curator, of the Museum, for their kindness in giving me unrestricted access to the Collection, and thus enabling me to carry out this examination in a thorough manner. The second inspection fully confirms the opinion formed by me on my first visit, as to the excellent condition of the whole Collection. In going over the *Lepidoptera* especially, I found so many beautiful and striking varieties, as well as so many specimens of historic interest, from their association with the most beautifully illustrated work on the Entomology of our Islands which has ever appeared, that I am tempted to give a brief account of some of them. A few extracts from Curtis's MS. register, which accompanied the Collections to Melbourne, will also, I hope, be found interesting, as few, if any, Entomologists now living can have had any personal acquaintance with John Curtis or his collections.

Curtis died on the 6th October, 1862, and his Collections were probably shipped to Australia not later than the beginning of 1864, as the records of the Victorian National Museum show that a sum of

money was remitted to Mrs. Curtis in payment for them on July 2nd of that year. These Collections are contained in five mahogany cabinets, four at least of which, containing the British insects of all Orders, are of the celebrated Standish make; the fifth, a tall cabinet of fifty drawers, is appropriated to a general collection of exotic insects. A very fine forty-drawer cabinet contains the *Lepidoptera*, the *Coleoptera* occupy another of twenty drawers, and two others of twenty-four drawers each contain the remaining Orders. These Collections are in precisely the same state as when they were received at Melbourne, nothing having been added to or taken from them since their arrival in the Museum.

All the insects are set in the old style, low down on the pins, the wings of the *Lepidoptera*, and the legs of the beetles, nearly or quite touching the paper of the cabinet drawers. The great majority of the *Coleoptera* are pinned, though as previously stated they are almost entirely free from that worst of cabinet pests, *verdigris*.

Curtis's MS. Register, or Catalogue of the whole of his British collection, is contained in four volumes of quarto size. It is very closely and neatly written in a clear but minute hand on alternate pages, and the writing is unfortunately much faded in parts. It contains notes, in some instances very copious, on nearly every species, embracing localities, dates of collecting, and other items of interest.

In the following notes on the *Lepidoptera*, the names and arrangement are those under which the insects stand in the Collection.

Colias europome, Haw.—This is a very fine specimen of the yellow form of *C. hyale* ♀, and is figured on Plate 242 of the "British Entomology." *C. philodice*, Godt.—Probably a North American specimen from the old collection of Mr. Plastead. It is a ♀ in poor condition.

Pontia daplidice, L.—One very shabby old ♀ example.

Hipparchia semele, L.—A very pale suffused ♀, in good order. *H. janira*, L.—A striking variety of the ♀, the subapical fulvous patch being *darker* than the pale fulvous ground-colour of the wings, and the ocellus dark fulvous-brown with white centre. The specimen is much tattered and mended with paper. *H. tithonus*, L.—A fine ♀, with two supplementary blind ocelli on fore-wing, and two small white-centred black ocelli on hind-wing. *H. hyperanthus*, L.—Two examples of the ab. *arete*, O. *H. hero*, L.—One ♂ in good order. *H. arcanius*, L.—One ♂, also in good condition. This and the preceding are uniform in setting with the rest of the Collection, and have certainly not been re-pinned (See note from Curtis's MS. below). They are figured respectively on plates 205, 205*, Brit. Ent.

Vanessa antiopa, L.—Four good examples, one with very yellow border. *V. urticæ*, L.—A very fine example of the ab. *ichnusoides*, De Selys, but with the blue submarginal spots of hind-wings well marked.

Argynnis aglaia, L.—An exceedingly fine var. of the ♂, almost entirely suffused with brownish-black, leaving only one transverse basal spot, and one small round spot in the cell of the fore-wing, of the usual ground-colour; the black markings on the hind-wings fairly distinct, but quite invisible on the fore-wings. Under-side of hind-wings uniform dark olive-green, with the usual metallic markings represented in rich silvery-green. This beautiful variety is figured on Plate 290, Brit. Ent. *A. adippe*, L.—A very fine suffused ♂; in the fore-wings the black spots are replaced by rich dark brown; the hinder pair being uniform dark brown with marginal fulvous crescents between the nervures. *A. lathonia*, L.—Three fairly good specimens *A. selene*, F.—A fine variety, the basal black markings of all the wings obsolete, and the submarginal black spots of hind-wings elongated towards the base.

Lycæna phlæas, L.—A very dark, irregularly suffused specimen of the dark form *eleus*, F. *L. chryseis*, F.—A pair, the ♂ not in good condition. *L. hippothoë*, L.—One ♂ example, fairly good, but without antennæ. *L. dispar*, Haw.—A fine series of six ♂ and five ♀ examples, some of which are evidently bred; one particularly fine ♀ is figured on Plate 12, Brit. Ent. *L. virgaureæ*, L.—Three ♂ and one ♀, but only one ♂ specimen is really fine. *L. acis*, W.V.—A nice series of four ♂ and three ♀ specimens.

Polyommatus adonis, F.—A very fine aberration, with all the ocelli of the under-side obsolete, with the exception of the central (well-marked), and faint indications of the marginal ones; labelled "4. Dorylas Hübn."?

Hesperia alveolus, Hübn.—Four good examples of ab. *taras*, Meig.

Smerinthus ocellatus, L. × *S. populi*, L., hybr.—One.

Ægeria asiliformis, F.—A pair, in good order. *Æ. chrysidiformis*, Hübn.—One only, of date certainly long anterior to the re-discovery of the species at Folkestone.

Deilephila euphorbiæ, L.—Three specimens (2 ♂, 1 ♀) evidently bred; figured on Plate 3, Brit. Ent. *D. lineata*, F.—A somewhat broken ♂ example. *D. galii*, Hübn.—One worn specimen only.

Chœrocampa celerio, L.—Two ♀ in poor condition.

Sphinx pinastri, L.—One rather small ♀, in very good order. *S. quinquemaculatus*, Haw. (*carolina*, L.).—Two somewhat battered specimens, the larger without antennæ; A label in the cabinet drawer next these reads as follows:—"Carolina: taken at West Cowes in the Isle of White (*sic*) 28th August, 1796, by my friend Mr. Thompson;" across the label a nearly illegible name is written in pencil (? in Curtis's handwriting), which I make out to be "Plastead:" the moth is figured on Plate 195, Brit. Ent.

Zeuzera arundinis, Hübn.—Two very good pairs.

Stauropus fagi, L.—Two specimens.

Clostera anachoreta, Fab.—Two on fairly modern gilt pins; figured on Plate 745, Brit. Ent.

Cerura latifascia, Curtis.—A dark suffused ♀ of *C. furcula*, L., stands under this name, and is figured on Plate 193, Brit. Ent.

Psilura monacha, L.—A beautiful ♀, with the dark markings much extended and enlarged; figured on Plate 767, Brit. Ent.

[illegible] Lunar.—This is perhaps the most interesting insect in the Collection. It resembles a light-coloured [illegible] of a well-known Australian Lunaroid Moth, described by F. Walker as Thalaera [illegible] Lep. Exot. [illegible] 1860, p. [illegible], of which I have examined a long series in the Tomkins Museum Collection and in that of Mr. G. Lord, [illegible] of Sydney. Figured as well as other as Brown and [illegible].* The [illegible] specimen is still in excellent condition, and the figure (Plate [illegible], Ent. Ent.) is very good, except that the colouration of the hind wings, along the margin of the [illegible] is [illegible] of an old [illegible]. The Plate will [illegible] a [illegible] Lep. [illegible] the [illegible] of [illegible] than [illegible] Walker's [illegible]. [illegible] Lunar [illegible] the following [illegible] —"[illegible] [illegible]. The [illegible] [illegible] [illegible]

Triphæna subsequa, Hübn. (*consequa*, Hübn. ?)—The figure on Plate 348, Brit. Ent., represents the now well-known var. *curtisii*, Newm., of *T. orbona*, Fab., and the single specimen in the collection, though in very poor order, is evidently of that form.

Xylomyges conspicillaris, L.—One specimen only.

Mamestra plasteadi, Curt.—This is apparently an aberration of *Hadena chenopodii*, F., with the markings of fore-wings nearly obsolete.

Apamea cinereus, Curt., is probably *Dyschorista ypsilon*, Rott.

Valeria oleagina, F.—A ♂ in very good order, except that the right antenna is missing; set with wings rather drooping backwards.

Acronycta salicis, Curt.—Four specimens, all of which appear to me to be only dark *A. rumicis*, L.; figured on Plate 136, Brit. Ent.

Phlogophora empyrea, Hübn.—One, on a modern gilt pin.

Nonagria extrema, Hübn.—One, with abdomen missing; a small bone-white insect without perceptible markings, rather closely resembling *Tapinostola bondii*, Knaggs, of which species there are four specimens, on modern pins, in the Collection.

Plusia illustris, Fab.—A fairly good ♂, with perfect fringes; set in drooping style on a very old pin. *P. festucæ*, L.—A very curious and beautiful variety, the ground-colour of the fore-wings dark rich fuscous, with the usual metallic markings of a singular greyish-bronze tint.

Acontia solaris, Hübn.—One rather worn specimen. *A. caloris*, Hübn.—A ♀, in very good order. *A. catena*, Curt. (*Euphasia elegans*, Steph.).—One example of this beautiful moth, fairly good and bright-looking, but set in very drooping style and impaled on an old-fashioned pin of preposterous size; figured, Plate 276, Brit. Ent.

Micra ostrina, Hübn.—A very good ♂, on an old pin.

"*Acosmetia*" *venustula*, Hübn.—Two, modern pins.

Catocala fraxini, L.—A pair, the ♀ very poor. *C. elocata*, Esp.—A ♀, in very good condition; figured, plate 217, Brit. Ent.

Psodos equestrata, F. (*alpinata*, Hübn.).—Two specimens in good order, apparently ♂, on old pins; figured, plate 424, Brit. Ent.

Cleora viduaria, Borkh.—Three fine examples; two on modern pins.

Boletobia fuliginaria, L.—One ♂, in fair condition, on a very old pin.

Fidonia "*purpuraria*" is a rather worn example of *Acidalia immorata*, Hübn.

Abraxas grossulariata, L.—Two very good varieties, one almost without black markings, the other with ground colour entirely yellow.

Venilia 4-maculata, Hatchett.—A very good specimen of this well known but rare form of *V. maculata*; figured, plate 617, Brit. Ent.

Anaitis præformata, Hübn. (*cæsiata*, Och.).—A fine ♀ example, on an old pin; looks like a very large and well-marked *A. plagiata*, L. "Coombe Wood." *A. clarkeata*, Curt., = *Lithostege griseata*, Schiff.—A poor specimen on an old short pin.

Phibalapteryx polygrammata, Hübn.—Five excellent specimens on modern pins.

Acidalia contiguaria, Hübn.—Represented by three examples of a pale form of *A. promutata*, Guén. *A. degeneraria*, Hübn.—One only, "Portland, 24—6;" figured on plate 384, Brit. Ent. *A. subrufata*, Haw.—Represented by a good example of *Phibalapteryx lapidata*, Hübn.

Madopa salicalis, Schiff.—Two very good specimens.

Pyralis emortualis, Hübn. ?.—One, on an old pin, in fairly good order.

Aglossa dimidiata, Haw. (*streatfieldii*, Curt. MS.).—A shining grey insect with dark base and hind-margin of fore-wings, very suggestive of an extreme variety of *A. cuprealis*, Hübn.; figured on plate 455, Brit. Ent.

Pancalia woodiella, Curt.—The type specimen of this beautiful insect is still in excellent preservation, though mounted on a rather too large pin; still it looks as if it would last, with care, for another century at least; figured on plate 304, Brit. Ent.

EXTRACTS FROM CURTIS'S MS. REGISTER.

"*C. hero* and *arcanius* are both reported from Ashdown Forest."

"*C. chryseis*. Aug., marshy places. Epping, Ashdown and St. Leonard's Forest.

"*C. dispar*, Haw. 14th July, Whittlesea (near Yaxley) Mere in abundance, 5th and 6th July, 1833, abundant. 6th August, upon the reedy fens, Cambridgeshire and Norf. Suffolk, at Benacre, and Wales? Cat. (= caterpillar) upon Water dock *(Rumex Hydrolapathum)*, plentiful in Holme fen in June, '41."

"*C. hippothoë*, Linn. Haworth's, Beckwith's, and mine were bought of Capt. Lindigren."

"*C. virgaureæ*. Aug. Marshes, Isle of Ely and Hunts."

"*L. alcon*, Steph., *nec* Hübn. Clifden, Bucks, in July; Oundle, Northants, 12 taken by Mr. Bond (*Arion* var.)."

"*L. dorylas*, W. V. June, Darenth, not British."

"*L. eros*, Och. July, grassy lane, Ripley, Surrey, Steph., not British."

"*Sphinx carolina*. 28th August, 1796. Taken at West Cowes, Isle of Wight, by Mr. Thompson, a friend of Plastead's, and they are in my cabinet, also Honey or Fenton. 1 in Wilkins' Cabt."

"*5-maculatus*, Haw., *Carolina*, Don. Cat. potato, Tobacco. Near the Water Works, Chelsea, 2, and 1 bred by Mr. Wilson of Leeds."

"*Druræi*, Don. Sept., in a garden on the leaf of a Rhubarb plant in the Borough, B. Standish, and Drury had anor. from a London garden. 1847, in Timber Yd., Bishop's Auckland, Jos. Duff."

"*Pinastri*. June. Colney Hatch wood and nr. Esher on trunks of pines. Rivelstone wood, near Edinboro' sevl. times. Mr. Wilson, on a root of a fir tree at Lattrigg, foot of Skiddaw. 1827. T. Marshall."

"*Deilephila euphorbiæ* 6th June. 1st cat. found. Appledore and Braunton Burrows. 1814, abundt. 3rd Oct., 1819, one. 22nd June, 49, Caen Wood, Mr. Michael. Cat. Aug. full fed near Formby, Gregson, on beds of *Euphorbia paralias* and *Portlandica*, L., it is attacked by *Microgaster euphorbiæ*."

"*Deileph. daucus*, Cram. Taken at Sunderland by Backhouse is correct. Cornwall. It is No. American."

"*Paranthrene*, Hubn., *asiliformis*, W. V. In June, about Privet and Umbelliferous plants. Colney Hatch, Bexley, and Birch Wood. Epping, flying over garden path early in morning, H. D. Cat. Alder?, in trunks of birch and Italian poplar."

"*Chrysidiformis.* Francillon, in a thick grove. 1st July, 1836, several about Mallow flowers from the Rope walk to the Shakspeare cliff, young Leplastrier, who gave me mine. Aug., near Haslar, Chas. Barron, Zool., 3289.

"*Phragmatœcia arundinis*, M. June, '41, a ♂ floating in a dyke on ye border of Holme Fen, H. D., '48. A ♀ from the same place, they hatch about 10 at night, *in cop.* Bouchard, b. 1 o'c. June, '50, Whittlesea Mere, abundant. Hatch bet. 4 and 8 p.m., Harding. It lives 8 or 9 days. Larva in stalks of *Phragmitis.* Pupæ very active and ascend to emerge. Eggs deposited, one on each stem."

"*Eutricha pini.* 22nd July, 1809. Norwich, J. Sparshall. My specimen was from Plastead."

"*Leucoma vau-nigra.* M. Aug. Lime trees, near Darn, Bromley, Kent, Samouelle; at Faversham, Kent, Revd. H. Hilton."

"*Arctia caja.* When fed on the flowers of the scarlet Poppy the wings are very pale."

"*Spilosoma walkeri*, e Aug., nr. Edinburgh, in Sir P. Walker's house, Drumscraig."

"*radiata*, Haw., is a var. of *lubricipeda.* Yorkshire. Bred from larvæ found on elder at Saltfleet, Lincolnsh. J. C. D.

"*Eulepia grammica.* Sep., near Manachty, Isle of Anglesea. Oct., near Windsor, 1815."

"*Agrotis annexa*, June, 1817. Hatchett's Cost. Cork and Worcester, Bentley. West Ham, Essex, from Blunt's cab., June, 1826. Aug., New Brighton, near Liverpool, R. S. Edelsten." "Not British, H. D., Georgia" (a pencil note).

"*A. subgothica*, Aug. ?. Devon, near Barnstaple, Raddon, Norf., nr. London."

"*Valeria oleagina*, m July. Hedges near Fishguard, Pembrokesh. Donovan. Scotland. Battersea fields. Trees, Richmond Park, bred by Plastead. Bristol. Cat. on *Prunus spinosa.*"

"*Chariclea delphinii*, June, gardens, Windsor. Cat. on *Delphinium consolida.*"

"*Plusia illustris*, July. Salisbury plain, Dr. Leach and Mr. Spratt. S. Wales, Donovan. Cat. on *Aconitum lycoctonum* and *Thalictrum aquilegifolium.*"

"*Cucullia artemisiæ*, June. Duddington Loch, nr. Edinburgh, Dr. Leach, from a collector there."

"*Acontia solaris*, June. Dover, they fly by day and love the *Eryngium campestre.*"

"*A. caloris.* Plastead's cab., taken nr. London."

"*Euphasia catena*, nr. Brixton, Surrey. Plastead."

"*Micra ostrina*, June, 1825, in a dry lane, Bideford. Capt. Blomer."

"*Ophiodes lunaris*, ♀, 21st June, in a stormy night, at the No. Lighthouse, Lowestoft, Suff. Capt. Chawner. Wind So. by West."

"*Catephia alchymista.* Cabs. of Haworth and Duchess of Portland from Francillon."

"*Catocala elocata.* From Blunt's cab., one I gave to J. C. D."

"*Psodos equestrata*, nr. Holwood or Holywell, by Bromley in Kent, and in Abbot's collect."

"*Parascotia fuliginaria*, m. June. Gardens. Haworth's cellar. Blackfriars' Bridge, 1st July, '41; on his house, 176, Fleet Street, Mr. Shepherd.

[illegible] Carter [illegible] Lyat. 55 & 156
denticulata Haw 153, 95 – Och V. 1. 178, 25
obscura Hub. p. 104 f 290.

[illegible] Lanigera Ste 2. 113 fl. [illegible] f 3.

[illegible] Hab: W. F.
[illegible] Don 10, 345, 2, 3.
chinifera Haw: var

aquea Hab: 122 f 55
margaritosa Haw 218 a
Lancia Hub. [illegible]

magnacolla, Haw: 218 [illegible]

[illegible] Hab.
[illegible] Haw 218 [illegible]

[illegible] Ste 2. 117 fl. 22 f 2
[illegible] Haw: 171 [illegible]

monostigma Rost Cat.

[illegible] Hab.
[illegible] B.R. var [illegible]
R.C.S. 1, 108, 11 & f. 9. [illegible] Eng. & [illegible] [illegible]
[illegible] [illegible], [illegible], [illegible], [illegible]
[illegible] & [illegible] Haw. var. [illegible]
[illegible] Hub 32 f 155. Gode [illegible]
lanigera Haw [illegible]
[illegible] Haw var [illegible] & [illegible] Haw var
cordida Hub. p 32 f 155

vallifera [illegible] Hub. Haw 222
[illegible]
[illegible] Haw
claviis Don 10, 340, 3. [illegible]
[illegible]
fascicea [illegible]
albicolor [illegible]
[illegible]
[illegible] Lam. [illegible] f 19, f 8p.
Lagittifera Hub. [illegible] f 55. Haw 118

[illegible] Blanco Cabz Hatchett Cat. [illegible] & [illegible], Kirkby
1817 [illegible] Plug. Haw Brightbrow Liverpool, R. [illegible] Rostra.
1826

from Plastead

[illegible] Hab.
[illegible] B.R. var [illegible]
R.C.S. 1, 108, 11 & f. 9. [illegible] Eng. & [illegible] [illegible]
[illegible], [illegible], [illegible], [illegible]
[illegible] & [illegible] Haw. var. [illegible]
[illegible] Hub 32 f 155. Gode [illegible]
lanigera Haw [illegible]
[illegible] Haw var [illegible] & [illegible] Haw var
cordida Hub. p 32 f 155

[illegible] Hab. Haw 222
[illegible]
[illegible] Don 10, 340, 3. [illegible]
[illegible]
[illegible] B.C.
albicolor [illegible]
[illegible]
[illegible] Lam. [illegible] f 19, f 8p.
Lagittifera Hub. [illegible] f 55. Haw 118

[illegible] July, [illegible] & [illegible] Hatfield [illegible] & [illegible] [illegible]
[illegible] Lamb. [illegible] Dale's garden, [illegible] at [illegible] in 1861.
[illegible]
Cat. [illegible] [illegible] [illegible]
[illegible] Cat. roots of Corn. Haw 2, 183. dug to Rose eating Carrot root, [illegible]

[illegible] Wedy Banks: Hart. Herb: Dover, Brighton, Salop, Devon
[illegible]
[illegible] July, [illegible] at [illegible] Dover, Hinghe, [illegible], Brighton

July, grassy commons. [illegible] Stapleford, Cambr.
[illegible] f 19 f 13 f 13, [illegible] Black rock, [illegible] St. Gregory. [illegible] Lingard
[illegible] Haw [illegible] Hay grass [illegible] Haw. [illegible] Bull.
[illegible] grass & [illegible] by Day

[illegible] heights by Hedges, [illegible] & [illegible] mud, all along back coast [illegible] grass [illegible]
[illegible] W. Bull. [illegible] & Pott. [illegible] Steph.
[illegible]
Cat. [illegible] on grass, [illegible] in [illegible]. [illegible] by N.D.
[illegible] London [illegible]

16 exclamationis L. Haw. [illegible]
[illegible] f 18 f 3 [illegible]
R.A. 5. 4, 106. fl. 8 f 6-7. [illegible]
fucca Haw p 220 Flam Ste. [illegible] Wood. 52 f 1660.
nebulosa Ste 2. 117 fl. 22 f 1 p
17 rufina Hub: 151 f 792 [illegible].
Desyllii Pier. var Don [illegible] 8, 95. f 8 f 2.
lunosa [illegible] Hub 32 f 155 Ste 2. [illegible] fulvinica Hub 131 f 602.
Haw 131 [illegible] Wood. 1 f 172.
18 zuric Hub
[illegible] Haw [illegible] Wood 8 f 120 cordida Haw 222.
[illegible] carbona Hub 131 f 704 f 31. [illegible]
[illegible] Ste 2. [illegible]
obliterata, Haw var [illegible] Wood. f [illegible]
marchallina [illegible]

all the same [illegible] f 252.

[illegible] Lamb. [illegible] Dale's garden, [illegible] at [illegible] in 1861
[illegible]

[illegible] Cat. roots of Kamts [illegible] in Oct & Nov.

Aug. 182[illegible] [illegible] Dover, [illegible] abundance
[illegible] sand hills at [illegible] [illegible]

Cat: [illegible], [illegible], [illegible] Dover
[illegible] Hatfield [illegible] [illegible], [illegible]
Aug: [illegible] Haw: Darnton

"*Acidalia immoraria*, Hübn. Lewes, Sussex, Mr. E. Hopley, Jr., Surgeon. Taken on healthy parts of Ashdown Forest.

"*Phibalapteryx polygrammata*, Norfolk, Horning, April, H. D. Cambridgeshire, June, Burwell Fen, 10 o'c. at night, Bond.

"*Acid. degeneraria*, 24th June, 1834, 1 ♀ on a block of stone, back of I. of Portland. 16th, Black G. Chine, I think. 20th June, amongst brambles, I. of Portland, &c., J. C. D.

"*Pancalia woodiella*. In June, 1829, Kersall Moor, near Manchester, R. Wood; and many more were taken there by his man, a drunken fellow, of whom Carter got 2, which are in the Manchester Museum." For the melancholy fate of the remaining specimens of this lovely insect, which has never been found since, see "The Story of *Œcophora woodiella*," by Joseph Sidebotham; Entomologist, vol. xvii, 1884, p. 52.

"Aorangi," Lonsdale Road,
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The following is the list of the Families for sale:—

		Species.	Specimens.	Price. £	s.	d.
~~Cicindelidæ~~	~~about~~	~~160~~	~~390~~	~~12~~	~~0~~	~~0~~
Carabidæ	,,	979	1920	72	0	0
~~Dytiscidæ~~	~~,,~~	~~199~~	~~328~~	~~4~~	~~5~~	~~0~~
~~Buprestidæ~~	~~,,~~	~~908~~	~~740~~	~~20~~	~~0~~	~~0~~
~~Elateridæ~~	~~,,~~	~~310~~	~~458~~	~~8~~	~~10~~	~~0~~
Malacodermes	,,	278	581	7	10	0
~~Trilidæ~~	~~,,~~	~~126~~	~~210~~	~~4~~	~~0~~	~~0~~
Silphidæ	,,	65	142	1	7	0
~~Clavicornes~~	~~,,~~	~~265~~	~~567~~	~~5~~	~~0~~	~~0~~
~~Helophorida and Hydrophilidæ~~	~~,,~~	~~80~~	~~107~~	~~0~~	~~15~~	~~0~~
Lamellicornes	,,	1117	2530	95	0	0
~~Lucanidæ~~	~~,,~~	~~42~~	~~100~~	~~7~~	~~10~~	~~0~~
~~Passalus~~	~~,,~~	~~32~~	~~79~~	~~1~~	~~10~~	~~0~~
~~Heteromeres~~	~~,,~~	~~905~~	~~1954~~	~~25~~	~~0~~	~~0~~
Xylophagi-Paussi	,,	180	290	5	10	0
~~Longicornes~~	~~,,~~	~~754~~	~~1380~~	~~52~~	~~0~~	~~0~~
Mantidæ and Phasmidæ	,,	43	82	8	0	0
~~Forficulidæ and Blattidæ~~	~~,,~~	~~44~~	~~80~~	~~1~~	~~0~~	~~0~~
~~Locustidæ and Gryllidæ~~	~~,,~~	~~105~~	~~210~~	~~5~~	~~10~~	~~0~~
~~Hemiptera~~	~~,,~~	~~389~~	~~1175~~	~~10~~	~~0~~	~~0~~
Aptera and Myriopoda	,,	68	102	2	0	0

Apply to Mr. CURTIS, 18, Belitha Villas, Barnsbury Park.

nigricans L.
[illegible] Hab. Haw 221

6. July Gardens, Epping, often abund.; Dept. and Marsh: Whitlesea mere
Aug: barren, Hilington, 6. abund. in gardens w. London. Wm at sugar, Brighton.

Cat: Inne

29 Tritici L. F.S. 1211. Jeb. v 5 f. 4. p. 157 Jeod. 1165 f. 5. v. 5 f. 225
vulligera Haw 222. lineolata & fusillata Haw. var
fictilis Hub. t 101. f. 479 8. – secunda Hub. t 138 f. 630 8.
matricola Hub. t 123 f. 567 8. – erecta Hub. t 136. f. 623 q
pusilla Steph: par: – hortorum Ste q – emeigera Ste.

6. July Gardens, Lower, Kent, Devon. Whitlesea mere.
12 Aug: very ab. Blackrock, Cheshire. Mr. Cornish [illegible] grass Tamworth Warw.
May. Cat: [illegible] grass [illegible]

21 obelisca Hub: Wm – Haw 222 Gyll. Gnfs
25 fusillatus Haw 118. Ste. 2. 128. q
18 rufis Hub. 84 f. 416. a

Jul. worst. [illegible] at sugar, Brighton.
[illegible]

Cat: feeds on roots of grass, Ann. Scotland 1834 p. XIII

22 aquilina Wm Hub: Cat: [illegible]
sibirica Haw 223.
vitta Hub: 115 f. 535 + 34. Ste 2. 120.
hortorum Ste 2. 122.

6 July [illegible] on [illegible] in Wheat fields. Margate. [illegible] of Kent: [illegible] Jenyns
in Aug: east of Lancashire, Mr. Stockdale. Darent w. nr. Dublin not unfrequent

Cat: on [illegible]

23 lineolata Haw 223.
vitta Ste. 2. 120. Hub:

24 ocellina (W. Wm Nothbitch) Ste. 2. 122.
phasianus Esp.

Darentwood; Haw Brows; nr. Dublin, Rev. J. Brewer

6 Aug: g. dead [illegible] Darent w.
[illegible]

25 fusillata Haw: 118. 88.

July [illegible] Devon. Whitlesea mere; nr. London; Dean

radicia Haw: 119 + 223 q
fusca Hub: 52 f. 255
liquosa Gra α 5. 241, 1. 67 f. 5, 6.
radiola B. E. S. Ste. 2. 119. pl. 20 f. 1. β

6 Aug: hunts of hare [illegible] Yorks & Yorks
June: Paling, Putney, Scales Down; Mr. [illegible] R. Evans.
[illegible]
Cat: [illegible] [illegible] Mr. Bree. Mr. J. Clark.
June: Blind. Cab. St. James & Greenwich Parks. Norf.
[illegible] Hyde Park. J. B.
end com: at sugar Tuthill.

lynthina Bois: [illegible]
Lyd: a Hub: 119. 690. [illegible]
[illegible] albimacula & leucographa Steph N. Grapes
Ste 3. 2. 137, 139 f. 3. 2. 103 Wood 8. [illegible]

Erynnodes Guenee Ann.
Ehera Hub: Templii Hub: 2. 14. 89 f. 573. Thunb.
Ste. 3. 31. pl. 26. f. 1.

Sept: [illegible] Bedington: Devon, Cocs – Birmingham. Liverpool Mr.
Sept: 8, [illegible] Doncaster & 2 at Chesterfield, Mr. [illegible]
also gas lamp & in Street [illegible]

[illegible] (Hub:) [illegible]
[illegible] 82 f. 382.
[illegible]

6. Sept. Kimmeridge Miss Lyell. Mr. Foster, Cy. Ireland.
Derbyshire: Mr. T. Bree.
July, Westmoreland. Mr. Bower

biriviria Hub: 9 f. 42.

Dipthinugia [illegible] Cat.
Lateris (Hub: 89 f. 419) Ste 2. 139. Wood f. 155
ignicola Hub: var.

Not British.
July: Mr. of Holland

pyrotrila Wm Hub:
radicea Esp:
fuscia B.

Tab.

July: In the Dairy at Southgate. Mr. Walker. Kelly, Salop.
Lancash: Zetland.

Cat:

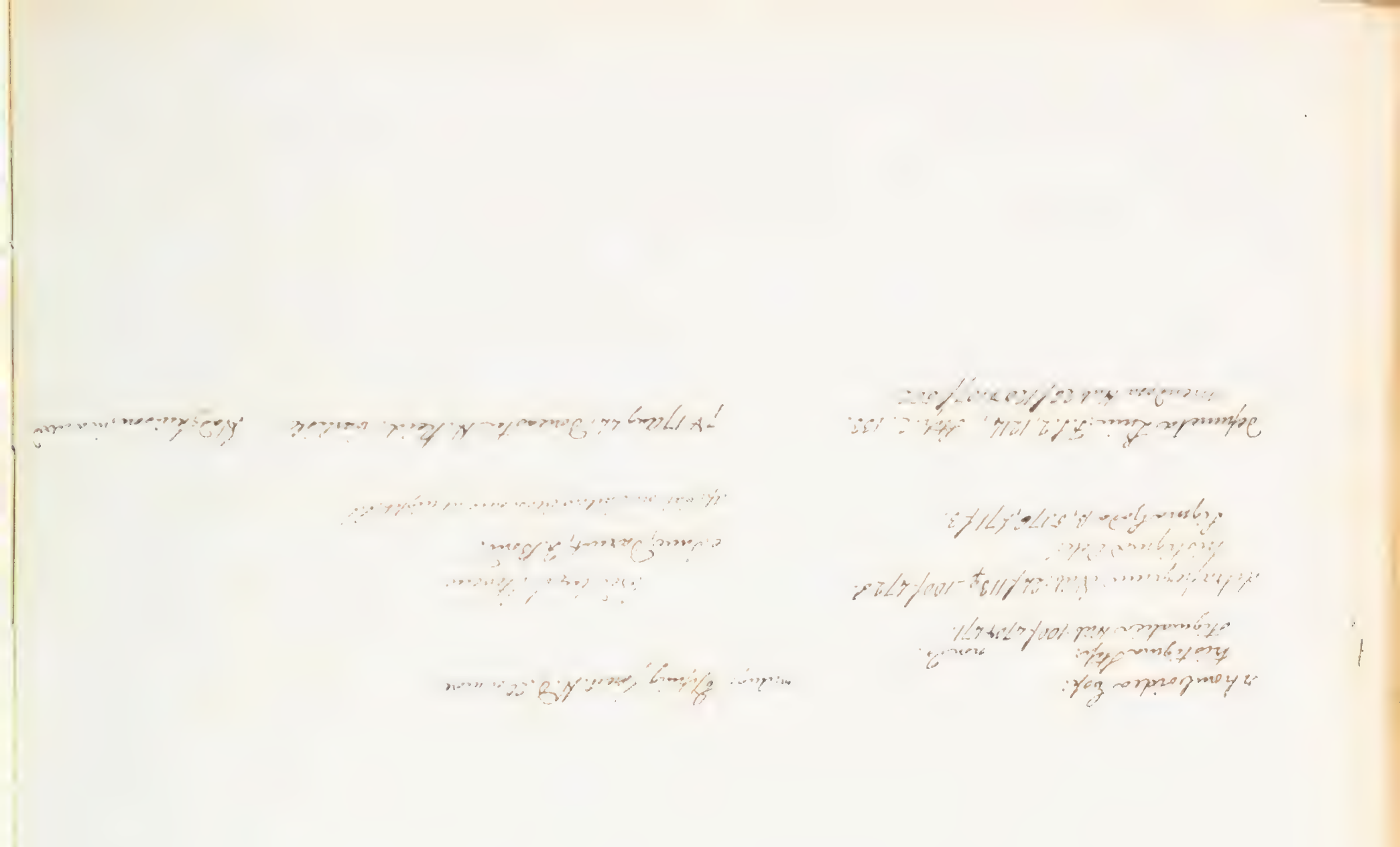
Aug to Sept 16.

27. Cursoria Gub. fig. No. 5. 5th. Bork.
venosa Ste. p. C. 123.
nivita B.
comedia Haw 110.

Aug: found Nat: Catch. Hemmed & Paget abund: on the Denes amongst roots of grass on the edge of sand-hills. m. Aug: coast of Lancash.
31 July Bo hatched. H. F. Fox. Edinburgh.
Aug to 18 Sept. on Ragwort, flowers & long grass in wet & barren
19 June Cat: in the sand coming out at night to feed.

28. Agathina Boisd.
Bos. insania Ste 2. 137, pl 19 f. 3. Cent. Guide
Cancrographa Ste Woods Cat (not Hub) in a van

Aug: hatched. Rep. on heath; Pickleum-moss.
April, Sallow blossoms, Leith hill, S. Stev. Darenth &
Sept 1824 Whitlescamree, Ringwood.
Cat: in June on heathy banks, Dalton hill, Teignmouth. Capt. Blomer



32. Cunedimus Haw: non? Cumberl: Westmorland.

crassa (Huds.) Haw. 20. 171. Sk. 3. 301 on. Aug. Gardens
Kelsedon Ess. & Nat. Mark
Salicca Bore. Abundantissima ad lapsum aquarum ad fluvium
at Epping. Wind off sun
June, Shades, Bank. Bethnal Green Holland.
Carlisle Hub:
n: Wimbledon & c.

subgothica Haw: 22. Sk. 2. 126 fol. 22 f. 3
Hub. 55 70
Aug: Devon, at Barnstaple; Radnor. Norf. at London.

835 Grahniphora Hub: Ochr. 1. 206. Sk. 2. 128.
Cariophilla Stellata
Subrosea
Stambridge Sk. M. 2. 128 fol. 19, f. 15.
ade um ivum of Hal.
July 1824
m. Aug. Stb. Hesca mus Weaver & c. 6. Dudleyday.

Melotis Tes
Magnor Fr. Ochr. Haw 220 - Goda 61, 6
Tomosa Esp.
assimilans Bork
In mus. Dale of E
Cat. Gardens for Nat. Hist. & Bot., Kel. & Hayes Gard. Ess. 6. June
6 July, weedy banks. Pickney heath, com. Epping in gardens. Early
at Shred l. Cornl & Darenthorn. Sr. Hesham.

Sherodo Bors.
fleeta L. Haw 226. Goda 60, 3.
e June. Weedy banks. Norf. Suf. Epping. Kimpton.
6. Sept.
Sidney at. in grass at my rt. Mr Douglas
Cat. Chiranum ut, fum, galium verum & lume
may dry
Not British. Dr Leach Devon?

musiva Hub. Ochr. Goda 61, 2. Sk. 2. 130
Cat:
6. June weedy banks. Parent & Combwood. Hampstead
meadow. Dover. 26. 30th at. in grass at night. L. Mr D. to Epping, grass, dried, ingra
Sk. Hb. Hayes, Hampton Hill, and Wimbledon.
Cat. Hemp, Bramble, Cultivated fatsia & Spiraeola.
6. Jul. Skirts of woods. Epping in quiet situation, mid-day, & Langt. Bordeau
6. Aug. Forth. Cornl & Darenthorn.

trunca Hub: Haw 225. Goda 61, 2
Fragaria Bork
Cuscuta Esp.
not in Norm. arcuata.

oraja Hub. Haw 224 Goda 61, 2
Tricomma Esp.
6. Aug. Skirts of woods Birch, Crown, Darent.
6 July
Cat. Dandy Highbury Cottage Brickhill
6. Aug. Skirts of woods Birch, Crown & Darent. Kent. Dover Speck.
Cat. Wimbledon Common, Epping in the Elm Bordeau

trianguliunda Ochr.
Signa Hub. 106, 497. Haw 225
Hufn.
Cat.
6. Jul. Skirts of woods, L. 6. Wimbledon Common, Epping.
Cat. at Lum Common & Barnes. Crown & Darenthorn.

[illegible] Haw 226. Goda 61, 5.6
subrufa Haw
Vinula Esp.
mensica
Bahlii Gira 5. 189 f. 62 f. 182.
Wood 52 f. 63.
Same Cat. as Primrose.

inbecilla Hub:
dispardis Ochr.
alsina Hub. 84 f. 394 f.
alpina Hub. 158 f. 784 f. 29 a
nigra Hufn. 7. 62 f. 104 f. 4.
Rybe View.
Jumnica ~~Hubn~~ Haw 228 not of Goda nor Hub. July, weedy banks. Darent. Winchmore Hill.
20 Aug. in hundreds on grass at night, L. Mr D.
Cat. Epilobium
Bella Ochr:
quadratum Hub. 101 f. 477 a.
15. Sept. Same as my Cat. grass, Goldcrest, Primrose & Groundsel. Dudleyday
E.D.

Lysoa Ste: 2.107.
umbrosa Dub: Och: Goda 63.3.
6-strigata Haw: 228.

Dahlia Dub: a pl. 205.
erythrocephala Haw 227.
? scandelicoqua Ste & not of Wd. 1 & Hub.

836 Caradrina Och: 5, 2, 246, 66
Alsines Hub: 125 f 577
? spergula Hub.

exsoleta Haw. 237
Cons Ste 2.15 Wood 11 f 200.

3 Morphoeus Och. W.J.
Sepia Hub. 32, 161 a. Haw 206. Ste 2.198
fulla Beck. Lin. Trans. 2, 5.

4 Cucullia chamomillae Haw. W.J. Haw 208. Goda
? lanuginosa
? Scrophulariae
? verbasci Ste. var.
asyngamia Haw: 206
Cons Hub.
Linnea Ste. 2, 156. Wood 11, f 198.

Noctua Haw: 206 W.J.
impleta Hub: 140, 639. Ste: 155. Wood 11 f 199.
3 Xanthographa Haw 206
variegata Ste. 2.155. Wood, 10 f 196.
7 Plusia Hub: 7. Haw 208
chrysitis Och
Plantaginis Wood non Hub:

glareosa (Esp.) Och: Esp. 2 pl. f. 1. female
I. Maculum Lat. 28. 100.
Hebraica Hub: 140 f 642 & 43.
Geminipuncta Hub: 6, 80 f 77 f 6.

Leptia Ste. 2.152 & 2.153. Xanthographica W.J. Hub: 32, 138 Haw 205. Goda 80
not of Lab.
var. Ste. 2.154. pl. 11 f 1.

neglecta Hub: Haw 205, 123 not of Goda pl. 8
Ste 2.155. pl. 21 f 2.

(Cons Hub: Cons 165.) Haw 207. (Goda pl 76. Och

Mamestra Hub:
Grammica Ste f 2.151.
oleracea Hub: Haw 249

? oleracea Hub: Haw 249. Och W.J.
Cucubali Cons
? Grammica Esp.
approximans Haw. v. semifuscans Haw. 249.

2. Jul: Birch & Sydenham Woods
aug: Mot Bay. 20th on grass at night. 3. Wd. 12th on Blackwell, Chelsea
& Sept. Forest. 3. 6.
Cat:
July, shrubs of Woods Dennt. Birch, Sydenham.
Cuckoo spring, Blackheath.

Cat: May on Plantain

Cat. E. E. No. 651.
[illegible] Gardens. [illegible] Lime [illegible]
Lime

Cat: on Plantain
July, Gardens. In Cows bat.

Sue gardens [illegible]
[illegible]

Cat on Convolvulus Sepium
m. May, [illegible] under bark of [illegible] at morning in Sept.
in June [illegible]
[illegible]
Lime [illegible] Lime. Round London. Bredow.
[illegible]
[illegible] on Calamintha Clinopodium
July, Gardens

July Gardens & shrubs of woods [illegible]
m. Jul. Cones of Tussilago Farfara, Hammersmith common 3.6.

Cat on Dandelion & Plantain
in gardens

in pots Brutsh.
[illegible]
[illegible]

Aug. Hedges & waste places very common [illegible] on grass at night.
[illegible] in great plenty, Bolton, Essex, Hayes, round London, Hastings, Dover
[illegible] Bexley
[illegible] Surrey

Aug. among heath, fern & New Forest at Lyndhurst. 6.
[illegible] Wd. [illegible] on wall. 3. Wd. Ruislip [illegible]
[illegible] Lin. 10th Birch wd. at ongar. 3. Stevens, 2. 15 V. Dart wd.
Blackheath

Jul. shrubs of woods & Dennt. Birch

[illegible]
Lime, in grass Epping Forest, Hyde [illegible] Warwick [illegible] Rev. J. Lockey
Lime, Combe [illegible]

Lime, hedges, Ruislip [illegible]

Cat. [illegible] on Docks like a Wheat Cat. 4 2.
[illegible] Docks like a Wheat Cat. 4 2.

[illegible] 52 [illegible] cons: on flowers of Glyceria fluitans, Lemnibam; N. T. Hamilton. 6 Aug. 8 obtind. Effusing g. fuscus, M. D. on Aug. 3 at Sugar, Exmouth

Oct. 8th on Ivy flowers, Exmouth, Podur.

Maxima Gub: 76, 1062.
Tubes w sub. a 168 E, 96.

Numbers on Woodward's Cox's Golden Drop, at night; the leaves of which were cov[d] with Honey dew from Aphides. vide Ann. S. E. 6. LXXV

Flowers of Calluna vulgaris: the ice was: Wallingford, Dorset

Anna Gib. 30 [illegible]

March 1809 Wed by Hatchett
8th to 6 [illegible] on willow blossoms [illegible]

Larva [illegible]

conquer Boisd. Hub: 181 f 862

iners Tr: var. 5, 2, f 271.
onspicta Hub: v. 138 f 633

[illegible]

hyperborea Dalm? Zett. I. L. 938.
Agrotis Alpina Hump. 1. 118, t 23 f 13.

rusticella Esp.
Serpylli Hub. 104 f 488 ♂ f 489 ♀

[illegible]

18th [illegible]
4th & 5th [illegible] Tortrix bags on blossoms of common rush [illegible]

837 Mythimna Och: 5, 2, 177, 62. Sk. 2. 149.

turca L. Hub. Haw 250 — 10 June bred a ♂ found under trunk of tree in New Forest. Epping Forest July. in grass Coombwood: & in Black Leaves: by hedge on oaken trees. Aug

griseа Tr. Haw 229 Sk 2. 150. — Cat. on Lichens, filmes. Pupæ under bark. J.C. C. Jul. skirts of wood. moth. at Bardsey at m. at 2 mile Intendwood Aug. Putney heath. Darent, Epping, New Forest.

Lithargyria Hub? Esp. Tr. Goda? Och. Ferrago Fab: Sk 2. 151. — Cat on Chickweed & Mustard. July Ilk at Brockenhurst

conigera Hub: Tr. Pg. 11, 22. Haw 239 Roscida F.J. — cat on Hawthorn. e Jul. skirts of wood. Wimbledon Com. 50 ran to light. l. Aug. 1. Chalkness Darent & Darent & Epping

838 Orthosia Och: 4, 2, 204, 5. Hub. 237. Haw. 1. 169. — Cat: Chickweed, Grasses. Leucania pallida Sk 2. 138

Leucania pallida Sk 2. 138 gothica L. Goda 61, 2. Clark Ken. 4 f. 1. Haw 203, 223 - Sigma Dan. 16, 562 a Hum. atmen W. f. — m. April. Nedge m. March, at [illegible] Epping, N.D. & Norwich. Dulwich wood.

Leucographa Hub: 88, 211 & 124, 572 a. a. Lunea Och. 5, 2, 118, 16 Leucographa Bosd. var. — Larva enters the ground. On Oak, Honeysuckle. Sept. at Burghfield nr Reading Rev. C. S. Bird. On Willow, Hawes at Lewisham nr York, Brockenhurst, Epping, Chery, S.C.B.

Hannularis Hub. — m. e April, Darking & Leatherhead, Mr. Caddon.

Polia Tr. Hub. Hub. Leucania Haw: 121, 75. Wood 1-10 f. 173 gracilis (Hb.) Hub. 35, 168. Wood 1-10 f. 173 intermedia Ste. var. 2, 140 Wood, 10 f. 172 a — b. Apr. Kew & Richmond Park & Richmond Pk. Mar: some on Sallows Elm: Epping. & Norwich

instabilis Tr. W.V. Hub. 35. 165. — Cat. on Elm on Willow, Sept. Dark, head white, black stripe, leg & a triangular spot c. Apr. Kew & Park & Richmond Pk. c. May 1851 & Pk. 50 specimens abundant Epping, on willow trees. & Norwich in Mood.

nonsona Hub. } Haw. impura Hub. } var. fucata

nimida W.V. Hub. Hub. 35. 166 — Cat. on Oak. Pupæ at base of trees. e. Apr. trunks of Oaks, Dunham pk. Bleston Leatherhead & Dunham. Sallows. mar: 10 on Sallow, Hawes, Epping, & Norwich. 30 on Dulwich wood.

gemmata Haw. 122. 77.

simulata Haw. v. 121. a — Cat on Lime on Oak, greenish-black, head large & brown with black patch in front e. Apr. sallows & poplar leaves. 2 Dulwich wood. Copenhagen, Leeds, Fly in afternoon. Sept. 30 mar. not common on Sallow flowers Epping, Norwich. Hampstead & Darent & Darent

Sparsa Haw: 122. 79. Ste W.V. gracilis Tr. pallida Ste 2. 140. — eggs laid on dead blossom of nettle. Cat: feed on Lysimachia vulgaris in June W.D. [illegible] Richmond Park

pallida Haw: 122. v.

stabilis W.V. Hub. 36. 171. Cosmia Haw. 123. 80. Fab. sinuata Haw. 123. 81 albipuncta var. rufescens Haw. 123. 80 pallida Haw. 242 y — e. Apr. trunks of willows m. Mar. very abundant on willow trees. Epping, N.D. Norwich on Oaks Dunham pk.

ovata W.V. abundanta Tr. antiqua Hub 36. 173. [illegible] Haw. 123. 82. pusilla Haw. v. a — Cat. June Oak, Hogtree. [illegible] Darent. Eastbourne. Epping. Apr. Wimbledon Com. Sallows.

minosa W.V. Hub. [illegible] — Cat. on Oak, Birch Ivy & Sweet.

Prunus L. Don: 13, 437. [P. album Hub. Goda: Stk 1.77. Lewin pl. 142.] — e. June. Southgate, Spiers, Cuttep. Kirkby Crambe — m. Jul. Blossoms in profusion. Mr Maingay c. 1.

Cat. Black-thorn, Plum tree & Elm.

Prunus P. Goda 21, 849. — Stk 1.70. Wood 2 f. 53. — Jul. Marshall Hitchens says but it is not sure [illegible] of Mr Lamb. [illegible] Dawson's Cab. [illegible]

Cat. Black thorn

Rubi L. Don: 13. 443. — e. e. May. Hedges & brambles, white-thorns, on birch of Hedges — e. June. Sprays of wood and [illegible] of wood. 21st in profusion [illegible] — e. Aug. [illegible] Flowers of Rubus [illegible]

Cat. bramble buds, Dyers weed, saint foin & brown

Chrysophanus Hüb.

Lycæna Fab. Cat. 12.

Phlæas L. Don: 13, 466. Cat. 13. & fol. 12 — Apl. Pastures, road-sides, heaths, grassy commons, June marshy places. all July. Aug. on Cat in abun. on flowers of Sedum on sunny banks at Kames (C. 93)

Cat. on sorrel

Chrysis W. F. Sow: Br. Mis. tab: 13. Cat. 12 — Aug. marshy places, wood-sides, near Epping Forest, Sept. [illegible] forest lawns — sometimes about Pools of water. Mr Leonard, Lewis.

dispar Haw. Cat. 12 Cat. fol. 12. — Hippothoë Don: 7. 217. Eng. Lewin — 12. July. Mr Mosen (not [illegible]) Meers in abundance — e. Aug. upon the rocky Coasts Cambridgeshire & Norf. — Suffolk & Berkshire & Wales.

Hippothoë Linné. Goda 9. 54 16. 3. Cat. 12 — Cat. upon water rock (Rumex & Hydrophorum) plentiful in volume, on in June 21. on June. Meadows & marshy places. Newmarket. Beckwith's Hanging wood bought of Capt. Lindigren

Virgaureæ L. Don: 5, 173 8. Stk. fol. 9, 1, 243. Cat. 12 — e. Aug. marshes Isle of Ely & Cambs — Spring & Sum. Summer in France.

Cat. Golden rod, Solidago virgaurea & Rumex acetosa.

Polyommatus Lat. — Cat. fol. 12. & see the species described in Cat.

Argiolus L. Ob. Don: 4. 281. Dev. F. Hub. — m. Apr. & [illegible] the end of March. Apr. Lugton & Manchester. [illegible] — m. May. Farm & Back Woods, Spring & New Forests. [illegible] — e. Aug. [illegible] abounds, also Norf. Suff. Devon [illegible] — Sep. abundant in chalk pits, Hedge banks, Cliffs.

Cat. on Rhamnus frangula & Ilex europæus

Alsus F. Stk. Don: 9. 322. 1. minimus Esp. — e. May. Meadows, fields, Woods, Hedges, Banks & lane lane — e. July. near Dorking side of Coombwood, all black. [illegible] — Aug. St Lawrence & [illegible] Norf. Suff. [illegible] — Sept. Hedges, Hedge banks, Cliffs or [illegible]

Acis W. Ob. Goda: Argiolus F. Esp: t 21. f. 1. Cypnon Lewin pl. 38 f. 6. 7. — on to June. Chalky heaths near Glanville's Wootton Dorset — e. May & e. July. Mr. Camb: Jones. Bracknell & Ranesbury Bucks. Wendlesham Heath Surrey. Coleshill Warwick & Leicester. Nov: in a few Maple pits [illegible]

Arion L. Don: 6. 184 9. Lewin pl. 3. — e. July. Heathy places, Sunny & Pastures, mouses Pasture near Bexford. [illegible] signal house Downs Cliffs & other parts of Kent — 1819. Crambe Clifftons rocky situations Mr Wales — on Winchester & Marlboro' Downs, Hills near Bath Clifton Bucks. m. July. Cambs. Northampt. & [illegible] Bucks. near D. Dawson

Alcon F. Hub. — Goda pl. 25 f. 182. — 1. 88. Stk not

Lonydon F. Don: 7. 236. 1. — e. Jul. Chalky districts Dorset, Downs, Cheltenham Essex. — m. Aug. Mr Newport of Mr Dorset. Suff. [illegible] — in abun. Mr Rowhal. Leguminous trees in profusion.

Cat. Wild Thyme.

flavilinea Haw 243. [illegible]
maculata Hub. 87, w18 Ocl. [illegible]

m. Oct. on [illegible] Park, Surrey w. Darking
[illegible] Ivy blos. Kingstonhill & Norwich.
1870 Ivy flowers. [illegible]
Cat on Elm & Plantain.

Lota L. Haw 122, 78. Hub 33, 167.

Sept [illegible] Ivy blos. Sandy Bow, Inv
10 Oct. in Garden Lowestoft. Ivy blos. [illegible]
[illegible]

Anchoscelis lunaris Ann. Soc. Ent. F. 1853.
lunosa H. E. 237. Haw. 230.
subjecta Dup. Supp. 3, 295, f27, f3.
agrotrides Guen. Ann. 2, 286
pleurodes Hub. 123 f568, humilis Westwood
ophiomulsina Haw. 230.
rubetra Esp. γ

[illegible]

Guitazina F. Hub. 38, 31.
[illegible] Hub. 38, 46. Dup. 6, 113, 180 f5.
[illegible]
[illegible]
lineola Bon. [illegible] Haw 231.
[illegible]

[illegible]

Seneca Haw. 231.

[illegible]

venosa Haw. 238.

[illegible]

Litura L. Haw 230. Hub. 37, 167. Ocl.
[illegible]
defunctaria Borkh.
Debraica Hub. 150, 642.
I-geminum Goda 77, 6
glareosa Esp. Ste.

[illegible] Ivy blos. [illegible] Ingatestone Hall.
[illegible]
[illegible]

Orbona nuscilenta Hub. Ann. 149, 088 & 689. Ste. 2, 148.
ferruginea W.V.
fuscago Esp.

Cat. Hub. on Plantain
[illegible] Coombe w. New Forest.
[illegible]
[illegible]
[illegible]

Orbona Hub. rufina L. Zab. Hub. Ocl. Ste. 3, 68.
helvola L.
extenuata Esp.
fumosa Bork.

m. Sept. [illegible] Ivy flowers, Norwich
[illegible] Coombe w.

Cat on Oak.

839 Gloea (B. E. 268. Hub. – Ceraste Ochs. 5, 2, 395, 73.
rubricosa W.V. Hub.
[illegible] Hub. 109, f509.
[illegible] Haw. Ent. Trans. [illegible]

Beachamwell, Darnet
[illegible]

Dasypancyla Guenée Ann. Soc. Ent. 8, 447. [illegible]
rubiginosa W.V. Haw 230.
ligula Esp.
sulphurago Bork.

[illegible] Ivy flowers, Norwich
[illegible]

Orthodia flavicornis
Vaccinii L Haw 235

[illegible]

polita W.V. & Ste. 2, 162. Wood, f11, f212.

[illegible]

spadicea [illegible] 233. Wood, f11, f2108.

[illegible]
[illegible]
[illegible]
[illegible]

anthrocephala. Wd. glabra. Wi. var. β
Duk:
Silene Brit.

in: 1847, at sugar, ~~Brighton~~, & oaks, at Hurst, Sussex, near Brighton.

Curtisii Nuc. Zool. i. 339.
subsequa Curt: B. 2. 1.5

prolita Hub:	m. Sept. Skirts of woods. Epw Ennics, Norbury Pk.
♂ —tigula Esp.	Oct on Ivy flowers Norwich
a sparsica Hub: 37, 178.	e Mar. Willow flowers Epping, faded
β subnigra B. E. 268. Haw 234. 815.	Cat: on Paraxicum
	e Sept. Epw Ennics, Norbury Pk.
Epirrhoe Hub.	Oct: on Ivy flowers, 3. the first at Stow & almost C. D. in Sept.
Lobophora Curt. 8. 3. Mecoptera quenaldum Tr.	Norwich
Satellitia L. Don. 5. 162. Curt 8. Pl. 635	Cat: on the Sycamore, C. D. Pine & Wall, then, from where young, spin down into a Dark strong band Curt 8. 347. (d. 2. 1834 p. 6. 1. 2. 1837).
Hb. 225. 225. Lacr	
	b Sept on Elm trees Norbury Park, Mr Walton, 6 Oct Ivy flowers Norwich
	Cat. on the wood, Epping by Ennics C. D. in Sept. 26. no insects Norbury Pk.
	e Mar. with in Willow flowers, Epping. Norwich New Forest, Devon.
	Cat. on Oak, Hem tree, Beech, elm, raspberry, gooseberry, hedge, eglat. Masters
840 Amphipyra Och: Pyrophila Hub. Hb. Hb.	Hb. . . Philopyra Guen.
Hb. 2. 163. 5, 1, 276	
tetra Hb. ~~Hub.~~ Haw. Goda 5, 2. Wood Hb. 210. a 164.	Oct & Ivy flowers. Supposed to attack Beehives.
	Sept Gardens
	June
	e Sept. under a stone Isle of Wight. Regent's Park palling
	b Aug in Deron Court, behind the Nest Le Hayes.
	Cat. Alsine media. 18 May Cato Richmond Park, shaken up the leaves, Daylor
Tragophoginis L. Don 7, 223, 2. Goda 57, 3	m. Sept. Gardens, Darent.
Hub. 8, f. 20.	July under bark of willows, in numbers, Fillies.
	Cat. Goats beard, Spinach & Docks, Larkspur.
Amphipyra Pyramidea L. Don. 6, 193	July. Oaks, Sallows & Black-thorn, under bark of Brockenhurst S.B.
	b. Aug. Bred from larva found on Currant, Mr Gape
	3 Sept. Lullings, on bank. G. Bedell: Richm Pk, Coombe: Epping forest.
Thalpophila Hub.	
841 Cerigo Hb. 2. 196.	18 May Cat: of Oak, supposed among the Leaves. J. W. D.
Xerta Esp: Cerathera B. comexa Hb. 2. 169.	May. Skirts of Woods. Meadows
Goda 57, 4 – β prasinana Haw: ♀	June. Trunks of trees New Forest, Coombe w. Darent, Birch
	m. e Aug: nr. the Castle Dover July Mr Wm sand hills of Lytham in evening, abundant
	e Oct. Epping Forest. Mr Lowe, in mid years, almost N. . . Colney hatch
	Cat on Tragophogon.
842 Lemuria Hub: Nonia Hb. 2. 165	
typica L. Haw 195, 99.	e. June, wooded banks Hayes; Harf; Bobsham; Epping.
venosa Hub. 10, f. 61.	
erenosa Esp.	
	end June 15 & 26. from Mr. to 20th Aug, & 8th May. Shed them
843 Triphæna Och. B. E. 328. Goda 5, 151.	Cat: on Myosotis? in garden Barbarea, Grass, Violets, Nettles & Vine at night
Hb. 2. 102. 1. 252.	hounds tongue: Willows.
	. . . rants, Bushes & Vine.
{ subsequa Hub: 23, 106	Hb.
{ consequa Hub 23. 105 a ~~Curt B. E. f. 105~~	
~~[illegible] Curt. [illegible]~~	27 Jul. Two Pair out of Heath on the hills at the
	back of Mr Keans House, Loch Ead, Isle of Bute
	about a Honeysuckle at Carron, nr Falkirk, N. J.
orbona Hb. Don 10, 323, 2.	e. June Gardens
subsequa Esp.	b Jul
Comes Hub. Och:	b Aug: Epping, Chand.
Hb. f. 521	m Oct. Ivy flowers Norwich.
	Cat. on Plantago lanceolata, Anemone, Ivy Polyanthus
{ Fronuba L. Don 9, 311 & Larva – Haw	b June Gardens, bay Fields & hedges
H. 2. f. 107 B. E. f. [illegible]	m Jul.
	[illegible]
	15 Oct Ivy flowers
	Cat. Apl. May, roots of Primrose, Violet, Thlaspi, Senecio, Sall
{ innuba Och: a	Grows in numbers in Cabbages at Muir Cott &c. in Kew.
	Found with Fronuba
interjecta Hub: 23, 107. Haw. Goda 59, 1	June open parts in Birch, Darent & Coombe. Mr Epping Chat.
	e Jul.

Janthina F. Don 10, 343, 1. Hub.
Doniduca Gues. 3, 1, 16

Cat. Bird-lime. Epping
m dry [illegible] Hamstone [illegible] abund.
[illegible]
Cat. drum marcellatum. Blackwood

Limoria L. Don. 6, 208 Hawa - Stew 195 & 190
Solani F.

[illegible] Oak [illegible] abund. in young Oaks in Snedall Brent wd
Cat. Lavender, in Gardens the best in wall or sunny weather, & away in the
m dry mountains they do swiftly in the day.

Cat. Spring & autumn, Cyrtoglossum, Primrose, Violet &
Potato, Cabbage, Pea, on the Bank.
Attacks other Cat. & even those of its own species. Goda

844 Xylina Hb. 2. 256 Ot. [illegible] Hb 2. 168.
furtiva L.
lignosa Hub:

Xylina Fr.
calocampa Guenée Gen. Eut. Soc. 8. 505. Steph. 2. 173.
exoleta Linn. Hb. 2. 256. Haw. 168. Ex.

m [illegible] Epping gardens.
m June woody banks.
Cat. on grasses.

cat. Don. pl. 187.

vetusta Hub. 47. n 54.
exoleta Don. 6. 187.

May Apr. on Yellow blossoms, on Rose ale, N. D. Farm 20th Dalwich wood
May June Apr. 3rd Hedges: Oxford, Plymouth.
m [illegible]
Hardy evergreen trees Norbury Park. Mr Wilson Darent
Oct 8 Oct & 3rd Nov. N. D. Nov 30 & 8 [illegible]

Cat. Ivy on trees on [illegible], Lonicera Periclymenum, Hyperion &
[illegible] east end of the hedge Darent Lane [illegible] Mr Pinner also
[illegible] make a nasty bit of work. S.B.

Actinotia Hub.
Cloantha Boisv.
conspicillaris L
leucomota Don. 13. n 53. 2. a
[illegible] 7. p 112 f. 6.
musicalis Esp.
hersfuitillaris -

Cleoptera Fr Steph. 2. 251.
Hub. 49 236. 237. Wood 11, f. 218.

Cat. on Sugar Bitter wd & Hammersmith. & Thames. & S. E. [illegible]
Cat. on Carex

May [illegible] Bristol & Pk. Duchess of Portland

Cat. on Astragalus

June 1830 on a [illegible]

semibrunnea Haw. 7. 10. Steph 2. 178, pl 21, f. 3.
fetificata Goda 7. p 113 f. 7 - ib 17, pl 28 f. 1.
sentata Germ. F. 9 f. 18.

20 Sept. on Cat. & on trees [illegible] Park [illegible] Haw. [illegible]
Brent [illegible]
Oct. [illegible] pass. 5th to 14th at Bristol. 5th at Lyme Lymington.
Cat. on elm, lime, oak. Black-thorn.
[illegible] on trees Norbury Park [illegible] 232. [illegible] Blower
5 to 14th at Dover & Bristol.

fetificata F. W.F.
fetificosa Hub. 49, f. 239.
umbrosa Esp.

Asteroscopus Boisv.
fulla Hub:
W.F.

Xylina Hb.
Esp. Linn. [illegible]

[illegible]

Xylophasia Hb 2. 176.
lithoxylea F. W.F.
Hub n 9. 240.
sublustris Esp. var.

Haw. 10. f. 25. Esp. Hb. [illegible]

Cat. Sunny shady places & walls, Copenhagen fields, Epping, common
Coomb. Darent Oldbury.
Cat. on Black-thorn.

polyodon L
occulta Esp
radicea Hub:

Haw 186, 73.
F. W.F.

Cat. June fields & gardens, at Dinkel & Bicn: hedges.

[illegible] Roots of grass & Pot herbs Epping. Hawthorn winter.

Cat. Sunny shady places, Kilburn Pk, Coomb. on. Kipling
Cat. June Devon, Bath, Derbyshire, Sarton.
Cat. 27 at sugar, Burdham Downs, abund.

Darent on, Natch H.

characterea Hub: 28 f. 132.
ectomidion Haw
hepatica F. W.F.
[illegible] f. 113, f. 2.

hirticornis Haw. Lep. F. 1. 330. Hb 2. 177.

nivea F.
hepatica Haw: n 9. f. 10
combusta Hub. var. 391-398. } N. D. says
Borealis Tauch. var }
pulvis W.F.
Alopecurus Esp:
aquila Linn. 2. E. 1. 6 n 76, f. 18, f. 6.

m June [illegible] Darent, Epping.
[illegible]

Cat. on grasses, Primroses.

Dethroat Hof. W. B. Nowicke m.s. sweet smells the Shrub (Barbeu) E. B. Espring forest, Carlisle; Jarrett, Holwood, Dartmoor, Devon.
17th to 29th July, bred from Pupa amongst moss on old Oak stump at Chesterfield.

344. Selenia Hub. Eur. 683. (1838) Cloanthia Boisd. Mss. Guénée Ann. Soc. Ent. 8. 509. (1839)

Selenia Hub. Nov. L. 3. f. 256. Eur. B. & L. 683 Mansa

Bang-Haas found it on stone walls, Brusles, 20th, 30, Cannock Chase, Staff. Rumbold, Brighton 20th July he Brushes 2 miles beyond Shelley Bridge on a rugged stone wall on 16th Sept. south side of a brook running that leads to Montairis. about 5 in 1837, abt 6 in ground round found after 10 A.M. 1st 2 or 3 times, then the moon 25 Lister.

m. Sept. n. Sorrico, Norway, Mr. Walker.

I found it outside at the flower mop only of the wild Carrot on Sal. Bodean moors. Mr. Gaye says it will feed on the Hazel

1. Bellis.

rectia Bois.
saturata Kaw. 187.
amica Ste 2.180, t 23 f. 2.

assimilis Doub: Zool. 5, 1914.

Corcalis B.E.
β putris Hub: 53. [illegible]

[illegible] Kennedy, C. Lyell.

musicalis Esp. Coda f. 113, 1.07.177.
lithoxylea Hub: [illegible] f. 261
subcinctus Hb: [illegible]

[illegible] Surr, Castle Eden Dene, Wales. Brighton. Mr Brown. Lowestoft
Lewes, Sussex, abund.
[illegible] sugar. Cookham Dean.

helvetica L.

Scotopacina Hub Esp.
albimacula Haw [illegible]

[illegible] oak, [illegible] of woods North. Chant. nr Sheffield
[illegible] Hunnwood, nr Barnsley, Yorksh. R. S. E.
June Coombe.
[illegible] from Rose [illegible] nr Andover, Hants.

combusta Haw

e. Oct. palling, Regent's Park. Coombe, Birch, Dunt woods.
[illegible] Thorn nr Lanark. Trunks of trees. 6th Hillingd. 17th & 23

825 Diphtherygia Hfn. Berlin Mag:
Pinastri L. Don 10, 347, 2. Haw 172, 33. Esp.
hybrida Esp.
[illegible]

m. June. Trunk of Pines, shady paths & hedges Norf. nr Norwich 6.
29 May, bat sugar New forest. R.S. Coombe. Merrington green.

Cat. on Rumex acetosa & acetosella.

826 Rhizolitha Guen. [illegible] p. 187.
Lambda Haw. 181, 61.
[illegible] Esp. [illegible]

Hadena Ochs: Str 2. 179.
1st Feb. 7. nr Lavenham, Suff. Wigan. Mar. on Yellow flowers, Norwich.
10 Apl. Paths Regent's Park. Coombe. Epping. & gooseberries
e Oct. shady paths & trunks of trees S. E. m. e. Soy, Flowers. Sept.
7 Nov. Soy, Norwich. Dec. Norwich. Larvae nr Gl. Wootton.
Larva on monster & feed on Oak.

anceps Och. Str 2. 180 f. 8. 1 f. 2.

Franciller, Markham, Rochette, Swanson. Gran Lindigren Stockholm.

Hyppa Ind. rectilinea Hub

[illegible] June Tamnoch. R. Ream. at Spine [illegible] Park, Marshall.
[illegible] June. Dawson, Birkingsh at sugar.
[illegible] June on heath, Rannoch, by sugaring & dogs.

[illegible] nadeum Ill. [illegible] Hb. Haw
[illegible]

June? Trunks of Trees?
7th Edge, Hershey nr Stirling, G. B. Stainton

Franciller

[illegible] Longa Haw 188, 78
[illegible]
[illegible]

b. June Wisbeach, Skrimshire, Epping & Yarley, Coombe & Darent wo

remissa ~~Hub~~. Haw 79. Hub 90. 423.
gemina Coda. Hub. 102. f. 282.
[illegible]
[illegible]

May nr Lond on common.
6. Oct. Epping Doubleday. In a wood nr Stapleford. On raspberry flowers.
June Coombe & Darent. nr. Reigate, Bottisham.

adusta Esp Str 2. 181.
valida Hub 133 f. 636
duplex Haw 190, 83.
[illegible] Stephens 2. 181.

m. June Trunks of trees, Coombe & Birches.
28 May, White moss. 29th at sugar, Portsmouth.
6. June, Rannoch by sugaring.
Cat. on Oak

Thalassina Och Coda
achates Hub s. 106. f. 498. 5 gemina Hub. g. 102. f. 283.
humeralis Haw 190, 84

on. May, palling Regent's Park 28. 25th Wicken 27. 21st Darent.
June, Trunks of Trees, Darent wood. 8th Wrentham
Epping, Coombe, Norf. Suff. Bottisham, Gaskh. Clash. Devon.
May 19th palling. Lewisham 1845.

Genista Hub
nestlinca Haw 189 81 (non Esp).
Dian Don 10, 352. 1.

contigua Hub: H. H.
dubia Haw: 189 82. Don 10, 352, 1
aria Esp. Spartii Bork

obscura Haw 80

25 May at sugar, Burnham Downs, Haugh
e May & falling Regent's Park. Mr. Leatherwood. Dorset, Hertford, Devon
m June Stalks of woods. Tolerable plentiful in woods Northampt. H. D.
25th falling, Newham

e May Coomb. wood Hants.
m. June, Trunks of trees. Tolerably plent. in woods Northampt. H. D.
Aug: Bark of Oak in a wood near Battle Sussex.
Sept. Bat. Senecio Jacobæa, Chenopodium Bonus Henricus, Broom.
Sept. on young Beech hedge, Dorset.

847 Mamestra Ochs. 5, 2, 127, 61. Ste 2. 191.
larva Haw: ~~(not of Haw)~~ ~~Hub.~~
~~genistæ Hub — 82~~

Aug: Scotch mountains, not rare.
[illegible] Epping Lowday. Sussex
under wood, Stockport, Yorkshire. Scotland. Wales.

Pisi L. Don 2, 51. Haw. Stew 204. Hub.

May. Broom, Mansfield heath. Epping. Newcastle. Dublin.
m. June Common Pales

Sept. Bat on Broom, Pea, Potato, Dock.

? Aleucdens (Hub? 85 f. 200 Brit.) Ste. man. 2. 192 a

June. Bat out of a hazel bush in Northwaite Cumb. J. B. Hodgkinson & Messrs

Oleracea L. Hub. Haw 193, 93. albin pl 27, f4.
Stew. 204, 230
monstrosa Pll.
Spinachiæ Bork

e May Gardens round London. Mansf.
e June

Sept. Larva on Cabbages. Lettuces

Dens canis Haw 190, 85
Sucsa Hub
Mr. Latinum Esp?
dissimilis Kirby.
Genographia Esp
Persicariæ L. Don: 9, 317. Supp 2, 10

Jul. trunks of trees Kent. [illegible] Berkeley.
at Hellidon Norf. Heath. [illegible] Dorset
May & June in a grass yard at Attingham, Salop.
e Jul. Larva on Docks & Lettuce. [illegible] from eggs [illegible]
Cabbage, Plantain, Tropæol.
e June, Pales. Epping. Mr. Kirby

Sept. Bat. on Mugw. Dock. Epping.
[illegible] generally found the larva has in the Coll. the Cocoon is pale yellow
[illegible] specimens in the Brow Collection J. E. S. MSS
June Pales. Common every where in Gardens: on hawthorn & hedges.
Jul
Aug.
Oct. on cabbages & the Thorn Tell Rev:
Hatchett. Elliot

Brassicæ L. Hub. Haw
R. A. T. 4. 101. pl. G. f. 1, 2, 3.

albidilinea Haw 191, 87.

nigricans Ste 2. 193. pl. 24 f. 2. Kirby.
abjecta Hub 116 f. 539.
lanulina Haw. 192 a

in July broods from larvæ are found under stones the end of June.
side of Thames near Gravesend. J. Martre: at Christchurch, Hants.
[illegible] Doyle, Bogey [illegible], Dartmoor.
June, Velvet Burrell Esq. Grad
10. albicolon Hub. Goda. Ochs Ste 2. 195 pl. 24 f. 3. Aug: Cumberland, R. Weaver

11 Chenopodii F. Hub. Haw 90 Ste: [illegible]
vesna Esp.
sancia Esp

June Gardens London [illegible]
May [illegible]

Lupercina Noctua Hawa Ste.
contigua Haw Haw
anceps Hub 192 102 f. 484.
alicna (Hub) Hawa Step: 3. 4
infesta Ochs 5. 2. 112.
sordida Bork

Eat. on Pot herbs 17th Sept. [illegible] in Gardens Barnsbury Pk. [illegible]
buried themselves 25th Sept & hatched e May.
June Gardens & Pales. very com. Epping

[illegible] Lambeth, London, Surrey. [illegible]
[illegible] on common house, Brannin.

3 Fumi Linn: Cort. B. C. 262. Luna & Lupa 18 June Mr. Wood, Brunswick Wood, Crumb: prior appears at that time, Babington

of current Entries Mr. of Devon, Exmouth or Dorking, Surr.
very abundant at Exmouth, Mr. Babington from Mr. to Mr.
1835.

6th June Mr. Zuckett Esq. 20 Specimens Polt. Paulcanny

5 June Mr. Zuckett Esq. 20 Specimens Polt. Paulcanny

22nd June 1842, received by the Rev. Gregory Bridgewater Bridgate Mr. Longfort & Mr. Sol.

June Mr. Wm. Thorpe Northampton Sale. Mr. D. 5 July, 16 at Brunswick Wood, Northampton Mr. F. Bond, 5th July 23. Woods wood 10th July, 9 Adds in my frequency the same Mr.

Tamerili Tapi:

Cantiana Hub. Haw 194, 195. Ochr. Goda	b. June, Woods n. London. Epping.
Epsilon Curt Ochr Epsilon Hub: 29. 136. W.F. corticea Esp. fissipunctata Haw 197.	Cat. Sept. on grasses. Ch. June in Tom. Rathmen, Kentish Town fields, Hertford, Cambs: bred by Blunt. Cat: under bark of old Willows & Poplars, feeds on the foliage.
Semicoeca Curt	
6. Plasteadi Curt.	
testacea Hub: 29, 139. W.F. lunato-fugata Tr. 9. 7	Aug. Plastead, Hedges. Birch-w: in multitudes 1818 & 19. m. Aug. Dover. J.C. attracted by lamp, Lewisham. Epping.
aurea Haw 194, 96 β X-notata Haw 194, 98.	Aug. Pales b. f. in abundance on grass n: Castle, Hastings. J.C. trunks of trees Regent's Park
848 Rhamnea H.B. 260. Ochr. 5, 2, 81, 82. Hep. 3. 6 Luna 1 connexa Ochr. Fork. Elota Hub. 29, 260	[illegible] n: Barnsley, Mr. Carter 12th Aug: R.S.C. 5th [illegible]
2 occultina Hub 29, 120 Haw [illegible] 2 Lineostigma Esp.	c. June marshy places. on Brome Hedges, Hayes, Kent. 30 Aug. on bagwort flowers, Edleston. Tottenham Road. c. July Battersea fields. Birch-w.
3. unanimis Hub 29, var. 122, 1356. secatrix Haw. 210	taken by J.C.D in Scotland.
plugens Haw 212. mitilans Hub [illegible] 4 didyma Ochr. Fork	b. Jul: Suff. woods, banks. Wentworth. Epping plentiful b. Aug: 1818 & 19 abt: n. Dover. Copenhagen fields.
oculea L. Fab. 1215. Haw 211	c. Jul. gardens & banks. Epping plentiful. Bottisham. b. Aug. hedges, fields & pastures, abt: n. London, in great numbers. m. June ab: Southampton
c. Linger Haw. 11. [illegible] 208.	c. Jul. woods, banks & gardens. Epping plentiful b. Aug. around London plentiful. Bottisham.
furca Haw [illegible] rava Haw: var 209	[illegible] Epping plentiful. b. Aug. woods, banks, fields & meadows. abund: round London. Bottisham.
8 Ophiogramma Hub [illegible] 104. 5. bifoba Haw 209	Ca. Bitton to Thorn in Wharf & Thorn Thatched Barn 6. July, J.J.G. m. July, hedges. Shelford with A. occultina. J. C. D. Epping marshes. Copenhagen & Battersea fields. Woolwich, Hackney & Epping.

Mimica Ste. 3. 11

9 Litorosa Haw 209. Ste f 12. fl. 25 f 1. Wood 13 f. 273. c. July, [illegible] 24th Lawhedges Darent, Tow[d] Dust.
Inflammeula Ock: 5. 97. 12 Aug: S. Black rock, Chistlehurst. 30th [illegible] Kaysnest, Crowes, Croston.
Dover, Wanstead, Epping

Ethiops Haw 215. c. June hedges & hawthorn gardens. Epping common. Hackney, about[t] Gardens & pasture lands. On flowers of Lime trees July 28th

Grō in, N.E. Harding. T.N. Doubleday

Latruncula Hub Haw. 214. W.F. Wood 13 f. 275 July hedges. Epping common. Bottisham. com: ad London.
arata Lofl[t]
moestrucula Bosk.

Cat like in Gorlin, Ladies grass, nettles, callows &c N.D.

12 Frigilis L Haw 214. c. June hedges Suff. Wrentham. Epping common. ne London. New forest.
Fraxinula Hub. W.F. c. June, [illegible] Wrentham, [illegible] Norf. Cheltenham
Bris pungentes of Linnæus Hurstbourne Bosc
Larva concealed in stems of grass & come out at night to feed. N.D.

Sumeralis Haw 215. July, hedges, Ripley, Hertford, Bottisham
? tenuinalis Haw 5. Ste. Wood 13 f. 278. Aug. Darent, fields, Lane & Lily. Wrotham, on pasture near sea coast.
furuncula Hub 215. W.F. Copenhagen & Sole of Dogs, Darent & Croom-ne.
bicolaria Bosk. &
E rufuncula Haw 216.
minima Haw 216. ? m. Aug. open parts in woods. Darent. Whittlesea mere:
Dufonchelia Boisd. E. Aug. [illegible] in marshes
arcuosa Haw:
[illegible] Dale on
rufuncula Haw: 216 Sept. hedges. Norf. Suff.

16 fasciuncula Haw 215 E. July near the summit of the Sal Mountain, Jersey, Sd. C.
& rubeuncula Dougl. Ann. & Mag. 7, 230, f 12 f. 342. June Gr. Wood. Ste. Copenhagen fields. Hertford.
Sept. hedges.

Celaena Ste 3. 15.
nemorea Ste B. 16 pl. 25. f. 2. N. American. In Marsham's & Stone's Cabinets.

trifunicta B.E.
Lancea Lofl[t] Ste. 3. 18. Wood 13 f. 284. 12. Sept. Kenning
& Sept. Kenning, Norf. Whittlesea mere. Marton Lodge.

hibernica Haw: Mo. Ste. 3. 17. Wood 13 f. 285 & not a. N. Ste Sunet. I.E. n[r] Dublin, Figors. Vide apatris vallegera

Hawarthia B.E. 260. Ste 16 pl. 2 f 3. Graslin Ann. S.E. 6. 5. Ill. f 3-6. 32. July Whitlesea mere & Hainault forest. 10th
conspicua Ste crupta Breyer
noris Bonsai: Bull. S. E. Mose. 3, 575 Aug. [illegible] Fragment, Hare & Hounds, Wanstead, Brentwood, Hainault forest
& Sept. [illegible] Wood, [illegible] Hainault, Foxen in Gr. Ivers & Romsey. [illegible]
Cat: in Pelt of Cotton grass, Carrington Moss, Delamere, Cheshire, while Dotted Willow Lark.

Hydraecia Guen: F. Litorosa Hub. 12 f 385. x - Goda 103. 4. Aug. 20th Whitlesea mere & Hainault. 10th Hammersmith & Hayes, Surrey
concretigena Hub. 0 90 f 375. 20th in grass at night. Mr Douglas. 5th & 8th Hainault park near Lyme.
lunina Haw 192. 42 Sept. 26th [illegible] thing, rather common on flowers of common Rush in Gard. Mr Allis.
Cut in Iris Pomacori.

chrysographa Hub W.F. c. July, on Clapham Common, Hertford
auricula Dow 12. 397. 3 Haw 240 Aug. [illegible]
ocularis L. 3. 2 f. 1 f 215. Sept. [illegible]
cinerago S. E. Fab. 445.

erythrostigma Haw 240. Sept. on London & at Margate. 1st on Whitlesea mere, 3d Harton. 3d Lullingstone Pk.
nictitans Ock Ste 3. 7. c. July flowers of Lime trees Putney heath. Deaths n. Ringwood. New forest.
didyma Goda b. Aug:

Pulmonaria Esp.
Pulmonaria Dif. 20/98 Eat. f. 263 [illegible] amongst rather rid of Epping forest. N. E.

Dianthesia Bowd.

1. Miselia albimacula Bork. 2 M. conspersa W.V. 3 casia W.V. 4. Hadena sagittariae S. & V. incultalis. 6. Polia chenopodii; ichii Bark.

849 Hadena B.E. 308. Oct. 5, 1, 302. Schr:
Sahonaria Esp.
typica Hub. E. 58.
marginosa Haw 195. 171.

Dianthoecia Boisd: Hadena Ste 2. 185.
Cucubali (B.E. 308) Hf. Haw. 196. 102
rivularis Fab. var
tranquillaris Hub.

Capsincola Hub. E. 57. Haw. 196. 105.
rivularis F. var. S. 2. 101.

glauca Hub. Haw 197. 106. Goda. 6
87.210
aperta D. Gry. Hub: 189 f 800.

Lapsipa Goda 4. 7. f 255. (116 f 3.

Neuria Guene

e. June. of at sugar, Burwell & Boid
m. July leaf. Cotheridge & Rothwell, Birkenhead, Dover, Brighton & Dover
May 30. at light in Bristol.

b. Apl 8. sugar, Fentiman.
e. July garden Fulham C. Champion. Cap flowers, Mitcham, on Lychnis, Florencetti.
June [illegible] Hedge [illegible] Mitcham
m. Aug. Dover &c. Tamil. & Cheltenham
25 May in Wandsworth. 12 June in York
Larva on capsules of Cucubalus baccifer, Lychnis & Silene!
b. June wedge lamp & garden. 28th Coburg-road, Bethnal Green.
30 bred eggs from Rev. Hawker found in eggs in flue. Hub. Plate out in Leeds & the Rev. Williams to a great extent Nothing.
Larva in the caps of Pinks, fed on the seeds, Boucle & Leeds of Lychnis diurna.

e. June. shady palcs, Matlock, in Cheltenham & London

Range var in Cuculiago Lactuca & Cynoglossum Calendar

June & Stoffan. in Lyell
e. June White-moss, nr. Manchester & Cuckfield, in garden
23 May 30.
Larva Caspes fed on White-thorn, Carlin & Lonicera
e. June, shady palcs, Matlock, in London, Epping, Worsf. Birmingham
Dover, Brighton, Devon.
Gentle-w.
Cat. on Dandelion

Plebeia L. Mus. Haw. 198, 107
Secutoria F. Hub. var. Haw. 198. Goda
87.408
anana Esp.
sleucostigma Haw. 198, 109. Ste 2. 186. Wood 12 f 221.
Latenni Tien. ex. Ann. E.F. 6. 177. f 18 f 3.
virgina Hub

Xylocampa Guenée Ann. Soc. Ent 8. 512.
Lithorhiza Bork. Oct. Goda
areola Esp.
operosa Hub. Haw. 185, 69.
85.398.

850 Achatea B.E. 117. St. 3. 19.
Panolis Hub. spreta F. 85.24.
Piniperda Rob. Oct. Goda.
flammea Hub. W.V.
cholinea Hub. 19 f 91.

851 Valeria Germ Boyella Germ L. 2.
St. 3. 22. oleagina F. Haw. Zoo 13, 239. Sow. B.M. Tab 37
replaced

852 Miselia B.E. 117. St. 3. 23. Oct. 5, 1 386
Dianthoecia Boisd.
albimacula Bork. Oct.
cucubali Hub. 11 f 51.
consenta Hub.
compta Esp.

2. conspersa Esp. sub. Oct. Goda
annulata F.
compta Haw 179, 54
X-scriptum Sow. B.M. 4, 55.

Charipsera Guen. Agrotis Boisd.
agrilina L. Haw 200, 112. Oct.
runica Hub. Tab. Zoo. 10. 254 1. Goda

Larva Cat on Lamy-white Bat. May. 3. 287.

m. Mar. flowers of [illegible] Willow
Apr in forest. Beech-wood & Epping. Bordeau hanger. Flowers of willow flowers
to 2 May, in oaks, willow flowers & fences. Sowood & Sunmore moss, Helmsh.
Rochamwell, Matlock, York
Cat. e. June on fir trees, Birch-wood &c
b. Aug. on Scotch fir Bordeau hanger. [illegible] at Sunmore &c
[illegible]
m. July. Hedges nr. Bishopsgate Pembrokesh. Donovan. Leathered
Between fields. Bees, Richmond Park. Bedlu, Plaistow
Bristol.

Cat. on Prunus spinosa.
Dianthoecia Boisd.

Larva Cat on a gate nr. Kirkwood, Bedder
near Tunbrigh, Dr Leach.

e. June, Pales & Potts, Darent-wood & G. Walton. [illegible]
15 Oct. 43. Ivy flowers, Teignmouth, nr. Brighton.

Cat. on Lychnis diurna.

m. Apl. Skirts of wood & rocks. Coombe, Darent, Epping.
in Apl Lady Margaret hall in Lime-tree [illegible] in [illegible] of old trees in
Coombe wood in abundance.
m. Oct. on palings & l. Wood. S. Ivy flowers, Norwich.

Cat. feeds on Oak, Lime, Beech. Apple &c found in the chinks of the
apr: bark

bimaculosa L. B.E. p. 177 & Lawe
bimbentosa Esp.

June, Bristol (Brit. Mus.) Millard?

Oxyacantha L. Saw. 201. Don 5, 165 & Lawe

Oct. on elm
e Sept. Hedges. Gl. wooton, copse
m. e Oct. Hedges & Ivy flowers, Norwich. Yew berries, Hatbury Pk. plant. fol.
6 Nov. Ivy flowers.
Lawe June, White thorns: they are monsters. Black thorn.

853 Trachea Ochs. 5, 65, 54. Cent. B.E. 31. Achatia Hub:
Ste 3.21.
Atriplicis L. Saw. 8, 262 & Lawe 1, 1. Esp. p. 50. Lawe.
Haw 196

e. June Queen & Hedges, of beech & Plantain, abund. of this Noctua 1848.
m. Oct. Hollingham, Moseley, 20/10/23. at sugar in Sept: Dunning & Bird.
Sept.
Oct. [illegible]
m. Sept. Kinds of wood, round Luton, Oak Wood, Haw Dr. Comb. Birch. Dam
m. Oct. Ivy flowers at Epping.
6 Sept. & 20th Yew berries, Hatbury Pk.
Cat on Oak.

protea Hub. Ste. f. 6 Don 6 f. 87 f. 84.
Seladonia Haw not of Hub. Ste 3.33.
nebulosa Bod.
convergens.
Chi L. Don: 12, 266 – Saw 185, 65
vivacea Esper var: 3.325.

m. e. Aug: old walls Derbyshire. Woodbridge. June and Newcastle. Melton
m. e. Oct. & Sept: on rocks at Linton Devon & c. m. Edinburgh. Ulleswater. Ste
Darlington; Ayrshire. Sept. Shewalls, Warminster, Wilton. Yorksh.
[illegible] & Salix fragilis. Mr. Wallis speaks upon Lichens.

854 Acronycta Germ. B.E. 136 – Ochs 5, 1, 3.
Aspidia Esp. 3. 34.
Leporina L. Don. 10. 337. 1.
Bradyporina Hub. f. 16 & 126 f. 570, 571.

May hunts of trees Combw. Birch, Darent.
June on a Birch, Dunsham Downs.
Aug.
3 Sept. at sugar, Sept.
Cat. Sept on Birch, elm, Alder, poplar, willow.

Bradyporina Ochs. α
Leporina Hub. f. 16.
Esp. tab 3. f. 1–7.
Ste. 3.36 f. 2. 26 f. 3.

Birch & Darent wo.

Apatela Ste.
Aceris L.
Acerinella Haw. var. 177.
angelicoma Esp. var α.

Cat on Bramble Dunsham.
June [illegible] Nonesuch. Epping. Portstream.

Trifolii Hub.
Trifolii Esp.
Acronycta Ste. 3. 37.
Psi L. Don. 4. 193 Pg. 90. 23
tridens Hub. f.
cuspis Ste. α 3. ad.

[illegible] & Nagel. Wigan. Ansonchestnut, Oak, Ash.
e. June widely bates, trunks of trees, walls. Epping, Norf. Cpnl. Newcastle.
m. July Oak over Regent's Park
Cat. on lime: beech, alder, poplar.
e June widely bates, trunks in woods & copses, m. London, Epping, Norf.

tridens F.
Psi Hub. 1. 5
Esp. 2 1. 22 f. 1–7

Cuspis Hub. 108 f. 504. Ste 3. 40. Wood 52 f. 1666.

Cat on white thorn, plum, sloe, willow.
m. Dulwich, Hatcham.

auricoma F.
Pepli Hub. 134 f. 514.
ovinlei Haw. var 80. 57.
menyanthidis Haw. var γ.

m. June Cambw & Richmond pk. trunks of Beech trees: abund. in 1816.
e. June trunks of trees

Menyanthidis Hub. 2 f. 68. Ste. 3. 42 f. 2. 7 f. 1.
Salicis B.E. 136 var.
Euphorbia Haw not of Hub.
Wood 12. f. 320.

Cat. Sept. on bramble, Dewbury, heath, shortlebury, birch, Aspen.
5. e. June white-moor m. Manchester in abund & f. α. Salicis. 2 June
e. June trunks of trees
e. May but from Cat. on Sallows in Crossacre Plantg. & in Cat. on trees &
& [illegible] in exactly alike. they are only vars. On Menyanthes bifoliata.

Humicis L. Don. 2 126
α Euphorbia Haw: v 178.
β Euphrasia Ste. v. 3. 43.

e. May June, Epping, Norf. New for Devon.
ad June, Whitemoss

Euphorbia Hub. 114, f. 529 f. 4. 3 f. 12 f.
Euphrasia Hub. 134 f. 515 g. var?

Cat. on June, Fleamont: July to Nov. Dorset, bramble, hop, lime, oak.
5 June Heaton Scotland 1845 abund. Rannoch on large blocks of granite f. 5 f.

June white, pair of wrack diamonds down back, in collar & in line of side
N. Southway from Norman Dr.
On Euphorbia Esula & Euphrasia offics.

Stone walls on mountains, W. Wales.

Gladstone took this & similar views in Hawarden

Eunichthis Nub: Ste.
Epunda Dup:
lichenea Hub: 122, 562 ♂, 563 ♀

♀ 16th Oct: 1 of W. Mr Vines & Mr [illegible] who bred 1.
Sept. do. & Dr Nelson out of a furz bush on sea coast by Preston, Lancash.
m. Sept. to e. Oct. Ventnor on walls close between the stones. Maitland. The Larva is [illegible] & is found in June. E.B. 1.224
e. Sept. 100 on dead parts of Furz-bushes at night at [illegible], Dr Nelson; rubbed at Lamp.
New Brighton
9th Sept 50 ♂ 100 on dead sticks & roots of green hedges, Nelson
22 Sept 51 [illegible] 1 of [illegible]
Cat: m. Mar. 5th full fed on Sedum Acre, H.D.

Euphrasia Bork. Haw. Albid 88 f. — at Birchwood 5. 7. 1.
Eulo Hub. 134 f. 613 — Ste. 3. 43.
Euphorbia Esp.

stigosa F. W.F. Ste: 3. 30. Wood 52 f. 1667. — Cat on Euphrasia officinalis, Euphorbia Esula, Cyphemisias white thorn, Bramble, white thorn, birch.
flavillacea Hub: 1. f. 24 Bork. — Norf. Hawarth.

Alni L. Dan. 10. 337. 2. — Cat on black thorn, mountain ash.
Degner W.F. — 12 June bred very abt. Freeman. — much of oaks & coniferous. Brighton. 28th May & hatched. 11th Claklegan. 29th Collingbourne wood. Huntingdon. Norf. year forest. Devon. 22 at Sugar, Brighton, N. Cooke.
11th May: Cat. on Hazel leaf at Bothell, it fed on Birch & spun up in a week. Spring generation of Birch lames & G. Bedell. It fed best on Ash. alder. Oak. lime. 6. June trunk & pen. cole & on pear & trunk. N. 16. 2. June trunks of trees. 10 W. July 18. Cat. on trunks & in hedges of Mean hanger lin. sweet grass. Black fruit. Dawnt. Brighton & Sugar. 1. June at Sugar.
1st Sept. 63. Larva on Ash-tree, Birch-wood, J. W. Douglas. Prevet. Dudham & —
6. July trunk of Hobt. on Regent's Park.
3 June to 6. Aug: N. D. Effering. Dawnt, nr. London, Norf. Lamb.

megacephala Hub: 1. f. 104 f. 3. W.F. — Cat. on Elm.
Kunicia Esp.

855 Polia Hub. — B. E. 248. — Och: 5, 2, 58. Ste. 3. 27.
aspilota Guen. Eurois Nub. Ste:
adverta F. W.F. Goda. 6. 96 f. 4. Haw. 187, 76. — Some gardens 5th to 15th Canon, beautiful at Sugar & on flowers. 1. Aug. very common Effering. Norf. Suff. Coombe. Devon.
nitens Haw 188, 77. var: Ste. 3. 28. — Cat on Lettuce & Dandelion.
Norf. Suff. Dawnt, nr. London.
21 June, Dunham Boys. Allis.

nebulosa Och. — 2 June trunks of trees very common Effering. Birch. Dawnt. Crouch.
Aleucia nob. 16 f. 78. Ste. Polydon F.
Cunaculosa Esp.
grandis Don. 10. f. 345. 1. Esp. 5. 27.
Phosphorea Esp.
occulta Linn. B. E. 248. Haw. — 2 July, Effering, June 6th, 2 Oak, in Birch, Birch, Dawnt. Crouch. Dom. Cat. 1. Ste. 1. 42th. 52, trunk of trees, Effering. 1st June. W.F. Off a carried bush, after in September, 15th & the wilen and bank of the Wilgus. Effering, Epphatter full fed May following. Dawnt. Brighton, Fenton, Norf. Fraser.
2 July trunk of Scotch fir, Langwith nr. York. J. Allis.
Cat May, on Lettuce & Dandelion: Alive c. Oct. 46 at 10 Lieberwitz, N. L. Shrophorum acutifolium, Polygonum avicular. & Apiflex N. D.
Larva on trunks of trees Cornish & Dawnt. 18th. Dalwich. W.

Tiricta Och: — Goda 6. f. 96. 3.
hepatica Hub. 16 f. 73.
argentina Haw. 186.
oculta F.
Cunaculosa Esp.
herbida Hub. W.F. Goda 6. — Ste. 3. 30 f. 27. 23.
mista Haw. var. 187, 74.
grisea F.
Lyrgia & Lapidea Esp.
Fuliginosa Bram.
Polymita L. Ste 3. 31. f. 1. 26 f. 2. — In Beckwith's Cat.
rideus Hub 4. f. 20

6. Inc. Effering, N. D.
Cat out of Oaks.
Cat May, on Cornish spruce. Birch, Birch, Ash.
2 June out Lance & pretty hedges. Effering. N. D. Dawnt. Norf.
2 June out of oak Dawnt. Hand in Notes of Sugar, Dawnt.
Norf. Hawarth.
5th July, at sugar, Forwood.
Cat full grown 15th Nov. 47, on Docks. also on Oak & buds of Black thorn, Elder.
Cat on Cochlearia armoracia, nr. Oct. thus five stars & winter N. D.

flavocincta F. W.F. Don 10. 334. Haw. 182. 63.
flavocincta major & Dysodea Esp.

dysodea Hub. Och. Goda W.F.
Ranunculina Haw. 183, 64 Stelles tab. 12.
ornata Vill.
chrysozona Bork
flavocincta minor Esp.
serena F. Haw W.F.
Par Don: 10, 338 f. 3

2 Feb. after Gales on gardens. Putney heath. Effering.
8 Oct. Ivy flowers. Norwich. In a garden to Norwich. Internally. In a fir plantation York.
Cat. Dock, Lettuce, gooseberry, currant, bird cherry, willow.
2 June, Gardens. Dawnt. Effering.
July, plentiful at St. Valerian nr. Sudbury, Mr. Gage. nr. Sudbury road.

Cat. Lettuce, underwood.
nr. June, shady gales: trunk of old Ash nr. Dartford abund. 1819.

ochracea Haw 199, 110 — Perflava Hub. W.F.
Echii Hub. 19, 90. Goda — Ste. 2. 186 f. 23 f. 3
Dianthoecia Echii Bord.
Tab Zool. 332. capsincola
carpophaga Bork.

Cat on Hieracium umbellatum, Leontodon hispidum, Sonchus palustris.
2 June, shady gales. 18th nr. Malcham. Brighton, Fenton, Norf.

Cat by T. H. Allis of York.

Palmacea Stek Hanst. 3, 235. In the Durham & N° of Engl. our
Agestis is the Sussex & Kent type. vide Neumann in L. Hl. 2. 515.
Astapenes. the Dunbar & our

m. Aug. Castle Eden Dene & Tees. Keatlefnol Durham &c.
confined to the sea banks. Durham down & Sussex downs & Snowdon, Kinlos.
Durdham Down, Bristol, & Freshwater Isle of Wight.

Actæon Esp. Actæon: Ochs. Hub. Goda
3. 9. 442. vol. 10.

b. Aug. Lulworth Cove on Thistles near the sea. J. C. Dale
m. Sept. in summer T. S. C.

856 Eremobia St. 3.94. [illegible]
ochroleuca Esp. Hub. Och. Goda [illegible] | Aug & Jul. [illegible]
citrina Don 10, 340 f2. Haw 237, 223 | July heaths, [illegible] Bedford
flammea Fab. Ins. Mant. | b. Jul. Dover flying in the day about hedges
[illegible] Haw. var. 266. | [illegible]
[illegible] St. 3.93. [illegible] | [illegible]
Linariæ Hub. St. ib. pl. 29 f3. | June 1817. Woodside at Epping, Brittlers & Step.
[illegible]

[illegible]

857 Acttebia St. [illegible] Trachea Och. [illegible] | [illegible] Hub. [illegible]
3.20
præceps Hub. Goda | 2. May, skirts of woods. Isle of Portland. N. of England
præcox Haw 201, Fab. Esp. Pz. Don. 6. 213 & larva | [illegible] sea shore Ireland & [illegible]
[illegible] | [illegible] Blackrock [illegible]
[illegible]
[illegible]

[illegible] Porphyrea Hub. Och. Goda | e Jul. heath [illegible] Brentwood, [illegible] Blackheath, [illegible]
3.18. fucta F. [illegible] 93. | Marton Lodge.
Ericæ Don. 10. 360, 1. Haw. 224
[illegible] Esp. | [illegible] St James [illegible]

858 Bryophila Och. 5, 1, 57, 46. St. 3. 44. Poecilia Schr. Jaspidia Hub.
glandifera Hub. Och. [illegible] | [illegible] June, old walls & hedges [illegible], Bagnigge wells.
Lichenes Don. 7, 223, 3. F. | [illegible] Brislington, [illegible]
par. Hub. v. 110, f. 515. | Cat. Lichen saxatilis & [illegible]

perla Hub. F. Haw. 203, 19. Och | Aug. old walls Greenwich. [illegible] Brompton, [illegible]
glandifera Bork. | [illegible]
Epping. Rotherham.
May Cat. on Lichen saxatilis & [illegible] [illegible]
[illegible]

859 Diphthera Hub. Och. 5, 1, 47. [illegible] St. 3. 45
Orion Esp. [illegible] | [illegible]
aprilina Hub. [illegible] | [illegible]
[illegible] Haw. Gmel. | [illegible]

860 Phlogophora Och. 1, 369. [illegible] | [illegible]

[illegible] lucipara L. Don. 7. 230, 2. Haw 210 [illegible] | [illegible] June. Skirts of woods [illegible] Epping
[illegible] | [illegible]

Phlogophora Och. St. 3. 83. | [illegible]
meticulosa L. Don 4. 139. [illegible] 1, 21. Haw. 244 | May June Jul. Pales gardens, hedges, woods [illegible] lanes.
Stew 199 | Sept. [illegible]
6 Oct. [illegible] hedges, gardens & house. Lowestoft. [illegible] Yarmouth
[illegible]
[illegible]
[illegible]

861 Thyatira Och. 5, 2, 161, [illegible] 72. St. 3. 47.
62.
derasa L. Don 7, 223, 1. Haw 244. Stew 202 | 6. Jul. Wrentham Suff. Wimbledon Com. [illegible]
6 Aug. Darent [illegible] Epping [illegible] Yarmouth
[illegible]

Batis L. [illegible] 72. Don 1, 33, 1. Haw. 245. [illegible] | m. Jun. Skirts of woods. [illegible] Epping, [illegible]
[illegible]
[illegible]
Larva m. Aug. full fed on Blackberry, Trossachs [illegible]

862 Tethea Och. [illegible] 272 Cymatophora Och. 5. [illegible] | [illegible] 3.51. [illegible] | [illegible]
duplaris L. Haw | 6. Jun. skirts of woods [illegible] Epping
undosa Hub. [illegible]
bipuncta Och.
[illegible] F. | Cat. on poplar.
fluctuosa Hub. [illegible] Haw 252 | m. Jun. skirts of woods, Coomb, Birch & Darent.

Cat. on Birch

v B 52. Shakspear Cliff on Kingsnoed
Cat: on Triticum, on the ears of Corn. no Date, Treitode.

end of July to c Aug: abt. at Boulogne, secreted amongst the sand under the dry herbs in the detches. It will not fly by day when disturbed.
Grey - Sonchus oleracea; Viola tricolor S.F.S.

T. Desvignes
with bits of earth 21st Sept. A. Lambert.

v Norwich

dilata F. ent. Haw 251. Harris pl 35 f 6 — Lime, trunks of trees. Darent. New forest. Essing.
octogena Esp.
m. Aug. bred on from Comb. wood
m. Sept. at sugar, Birchwood. J. Stevens. 2d 3d Birch-c.

Cat. on Oak.

On Hub. 43, 210. Wd
gemina Don 10, 327, 3. Lin. Trans v, 2 Tab 1 f 6 — e. May, trunks of Poplars. bred from pupa found in leaf of Aspen
flavicornis Haw 252. Lin. Mus.
octogena Esp. — e. June. Darent, Devon, Chigwell-row, Essing.

e. July, bat feeding later. Also found in Aspen in Norfolk. Sept. 16.

octogena Esp. B 6. 272. Goda 6, 158 — May 30th Birmingham v. Bristol. 22d bred 2 from Madingley woods
octogessima Hub. — Coll. Planer C. Capt. Planner Nelley. — Comb. & Hamlet Clark
ocularis L. — 3 June. 23, N. D. bred a pair at Essing; also in May 28. 17th June 1 bred 28c.
Cat. Sept. Oct. on Lobia, Goda, Sycamore. Hl. 334.
21st July find 2 full grown pupa in Lombardy poplar leaves in Denny Bottom
flavicornis L. Hub. 43, 208. Don. 10, 352, 3 — e. Mar. trunks of Birch trees. 15th Bulverde.
lutricornis Haw. 252. — April Comb, Birch, Darent. b. Eyle Hedgeth.

Cat. on Birch. July 5 Sweet Park. It rolls up the leaves.

nidens F. Haw 208
xanthoceros. Hub 23.205. Lin. Gem. Fac. Ech. v 5 f 186
erythrocephala Esp.
chrysoceras Lin. Trans. 2, 3 f 1, f. 3 — m. Apl. trunks of Oaks Richmond Pk, Comb. w. Hamlet. Essing.
16 March bred one Hand 25th f. e. Mar.

e. Jun. Oaks. Apl. 5th found many of the Cats upon oak leaves in Richmond woods
Cat. on Oak Sept. May, 30 in between the leaves of pupa with the cocoon & Stalks together with the cocoons

863 Bombycia Hub. — Chymatophora Ochrea Esp. — Plastenis Bois.
Ste. 3. 57.
Pinnulata F.
Selecti Och. Bork. Hub.
scripta Hub. F. Haw 213
ochrea Esp. 10 f 50
June. Woods, Comb & Darent, Essing.
e. Jul. Birch-wood. J. B. 26th v. York, Herts.

Cat. on Willows.

Dicranura vinula Cymatophora bicolor
Do L. Don. 5, 179. Wood 14 f 339.
ferruginago Hub 44 f. 195. Haw 238
venago Haw v 238
e. May. Trunks of trees. Nettlestead, Chigwell, Essing & Park
e. June. Leatherhead. Darent.

Cat. on Oak.

864 Cymatophora Och 5, 2, 77 Gen v 7 — Ochrea Och. — Plastenis Bois.
Spimorpha Hub. Esp.
subtusa F. Haw. Hub. 44. 213. Goda 6, 182, 2 — Ste 3. 55.
250
July trunks of Removing Poplar. Parnis Regents Park
25th Lime trees, Clapham. Comb & Darent, Chigwell, Essing

Cat. on Poplar.

retusa L. Haw. Hub. 44, 214. Goda 82, 3
chrysoglossa Lin. Trans v 2, f 1 f 11. Don 11, 350 2
gracilis Haw. v. 251. Wood 14 f 337.
vetula Hub. Bork
e. June great round leaved Sallow
Jul. trunks of willows, Herts, Devon.

m. Jul.
Cat. on Poplar & Sallow.

865 Cosmia Och 5, 2, 379, 72. Hub. — Ste. 3. 59.
Pyralina Hub. Haw 247. Cat. Trans pl 9 f 1. W.V.
corusca Esp.
m. Aug. Comb. Wood. Southgate. Mr Walker. Burghfield. Mr Bird
e. July. Brick v. Essing. Barham

Cat. can be found on any species of upright species. They are in cocoons.

diffinis L. F. Hüb. Haw 247. Harris pl 5 f 8
m. Aug. Trunks of Trees, especially elms, Copenhagen fields. Essing. Rickling, Hertford.

Cat. on Elm

affinis L. F. Hub. Haw 247
palliata F.
e. Jul. Skirts of woods where elm abounds round London, Norf. Herts Surrey.

Cat. on Elm

Euperia Guenée Ann. Ent. Fr. 2. 186.
trapezina L. F. Haw 246. Hub
Harris pl. 6 f. 1. v. Wood 15 f 3238.
Aug. Skirts of woods. abund. round London. Kennick
e. July. Devon, Glamorgan, Salop.
Larva on monkey on Oak, birch, lime, poplar, hazel.
Found on Oak cocoon under a leaf on ground

fuliginosa Hub. Och. Goda
angulago Haw 239. Cat. Trans. pl 5 f 2 f
haleacea Esp.
gilvago Bork.
e. Jul. Paths in woods, Kent. Birch-c. Sherwood forest.
b. Aug. Jenner f. Sheffield by a Gamekeeper

Cat. on Birch.

866 Xanthia Hub: B. E. 2, 84. Ochs. 5, 2, 221, 71
Hb. 3. 63.
fulvago L. Haw 236, 220
cerago Hub. F. Ochs. Goda
~~aulago Don 10, 338, 2~~
gilvago Hb. Haw. 237, 222 v. flavescens Esp.
flavago F. Haw. 236, 221.
citago Hub. Ochs. Goda
togata Esp.
aurago F. Haw 235, 218. Hub. Goda
rutilago Hub
fratexta Esp
fucata Esp.
centrago Haw 236. B. E. 84.
xerampelina Hub. G. Treit. Goda

citrago L. F. Haw. 238, 226. Wilks? pl 1, a 8
Sepp. pl. 48
silvago Hub. Bell 2, 1, 1 pl

fimbriago Hb. 3. 67. Wood 15 f 351.

867 Lampetia Curt. Ent. Mag. (1833) vol. 1. p. 184
Polia Hub.
croceago F. Haw 238, 227. Hub. Esp. Goda
aurantiago Don 5, 15 f 150 f 243.
fulvago Esp.

868 Gortyna F. B. E. 252. Ochs 5, 2, 330, 70. Hb. 3. 69
Hydrocia Guenée
nuceaca B. E. 252. Esp. Ochs. Goda
Cypriaca Hub. 56 f 224. Haw. 227.

flavago Hub. Hb. 2 Esp. Ochs. Goda
rutilago F.
Lapha Don 10. 320 v 1 Sepp 1.
ochraceago Haw 234. 216.

869 Nonagria Ochs 5, 2, 309, 69. Hub. 59 Hb. 3. 71.
Typha Hub. Haw 173, 35 Ochs. Mag. 1. 2. 182. 251
arundinis F.

Cauna Ochs
arundinis Hub. 85 f 386.
Alga Borkh. Esp.

Miliacanis Haw. Ent. Trans. f 326 Hb. 3. 72. Hb. 2 f 1.
Bathyerga Steg.
3 lutosa Curt Hbst.

g. crassicornis Haw. 173, 36. Hb 2, 72. fl.

Cat. Mr. Stevens in B. Engley

Xanthogenes Hb. 3. 233. Sphorcina Bors.
Hb. Cat. in Lamp.
Sept.
c. Sept. among st. Dried leaves Cornw. Devon. Dorset. Devon, Nutford.
c. Apl. Hedges
c. June Hedges
c. Mar. Dorsetshire Cat. in a Cabin Devon
Cat. on Oak.

July woods, lanes, sides of Cottages in Cornw. Devon, Hampshire. Kent
Aug. Barry, Kent, Isle of Wight
m. Aug. Docks. Cat. Devon fields 20th on grass at night. S. W. E. 30th on Ragwort
Cat. Regent's Park 1st May 1846

Cat. on roots of

m. Sept. pines, oaks, Gardenia, elms, Cat. Plants & roof, in the heat.
Cat. Kew & Chelsea.

Cat. in pine woods & more engineers.
June woods in plains of Cat. Oak, Hornbeam, Horse & Gardenia
aquatica, Sambucus nigra & Holybush. Ham Common Cat. Kew, Chelsea.

Cat. Egypt.
m. Aug. about Bullrushes
Cat. on Hammersmith & Kew & Cat. Kew & Chelsea Cat. Barbicesca fl. 1.

Cat. pith of Bullrushes & sometimes Dodecagynia Hbst.
Cat. Aug. Stat. Spaxley. Cat. Mr. C. H. Gow. Sept. in plains of Typha angustifolia
& Bull & Sorbus

Cat. on Typha latifolia Kew & Spanish Cat. to m. July find in pith of
Cat. Gain & Kew. Cat. Mr. Lamarch.
Sept. on Origan.

June marshy places, Mr. Mack. Hamilton
Cat. Hammersmith
Oct. a pair in cop.

Cat. Mr. Stev. in Ent. Mag. on upper side of leaves of Iris, Acorus
Cat. Kew & Chelsea. Cat. in single pair
Cat. the same place with the Cat. of the Iris.

Cat.ns when young fed at the axis of the flowers of the Sallow c. Apr. & after upon the leaves H.D.

Cat.ns Spurs berries Hadham Pk.

Cat.ns Spurs berries, Hadham Pk.

gilvago F.
ocellaris Bork.
palleago Hub. v. 40 f. 192.

Cat. Hatf. Pk.

on trunks & branches of Ash, Elm & Lime, on Durdham Downs, about Vauxhall.

Petasites H.D. root c. Apr.
vindelica Brey. 6, 82. f 531 f. 3.

Cat.ns

Cat.ns on Stanton, Eddystone, Beaumaris.
Cat.ns on Pinnacel H. C. Hamilton.
Cat.ns 28 & 30 m. n. Warrington, R. Browning.

Cat.ns roots of Petasites vulgaris, Gregson, 7th Sept. Cat.s & Pupæ c. R. Cooke.
Pupæ in a cavity

Young stalk & leaves of young & old leaves, of Typhlocalypsis
they are first white then earthy brownish.

Anagria neurica Lord Fitzwalter Hartley
Aquilo, Bond, in Hartley's Bot. R. Transactions

extrema Hub.² 88. 412.

Helmanni Bois. Frey. M.B. V. 79, 429, 23
flava Hub. var.² 88 f. 413.

Whittlesea mere, Hartley Fen, abundantly on gravel. Dr. Bond. & Baxter

Putrosa Hub: 28, 232. Ste. L. 390.	Derbyshire, Weaver. bred by Paget at Ipswich with wings
Vectis Curt. B. E. fol. 259. Ste. L. 390. Lav: Hammer Oct. 5, p. 287. n.	m. Jul. Whitlesea Mere, Hatfield Chase, Yorkshire. Rare. 30 Jul. & amongst rushes, Black Gang Chine. I. B.
	Cat: 3. May on reeds, eating the young leaves. They spin an optional web. H. Stev. 2. June
870 Leucania B. E. 157. Oct. 5, 2, 289, 68. Steph. 3. 73.	Helophilus Hub.
Comma L. Haw 174. 38.	2. June abt. a Sugar. Dunham Park
turbida Hub 8. f. 228.	6. June; Lanes Lands. in profusion at Epping; Coombe. Darford.
congenera Hub. 38. f. 618. g	11 Aug. hedges on pasture ruts.
	Cat: in gardens.
	Cat: on Rumex acetosa.
litoralis Curt. B. E. 157. Ste. 3. 74.	8th Aug. 24 Sand hills Dismal Mercy, Shrewsbury Sand hills Kenny Cap.
the o'has a black tuft of hair at the base of the body beneath. I. B.	24. June 46, Wear on sand Bank at Boscombe chine. Caistor m. Yarm. East Chase.
	m. Aug. coast of Lancashire.
obsoleta Hub. 28, f. 233.	June 7 [illegible] near the city road [illegible] Thames
R. A. 1. 5, 7, p. 79.	[illegible] with the Stevens
impura Hub. 85. f. 396.	Larva on reeds at night 21st Aug: full grown, by 6th Nov. & wanted in the stems of reeds cut off.
fuliginosa Haw 174. 39.	2. Jul. shady places. com: Epping. I bred in 1846 & saw the larva
fumatrix Haw. β 174, 40. Ste 3, 75. Wood 15 f. 563.	woody places & thickets.
	Cat: on Carices.
B. arcuata Ste. 3. 76. 3. Wood 15 f. 364	6. July, Kingsley, I. B.
6 phalerus L. Haw. Hub.	Oct. 12. Ins. Mus. N.
	m. Jul. garden beds. com: Epping, shady lanes, borders of woods.
	Aug. Dover, 5th in grass at night.
	2. Sept. meadows & hedges, Eton
	Cat: on Sorrel & Stinging Nettle
	2. Jul. garden frames
	2. Jun. marshes, I. B.
α rufescens Haw. 175. 41. α. Ste 3. 76. Wood 15 f. 366.	
Ectypa Hub: 28 f. 231.	
χ ochrea Ste 3. 77. Wood 15 f. 367	Lane n: Lincolnshire, Isle of Dogs; Ripley; Norf.
δ ochracea Ste 3. 77. Wood 15 f. 368.	2. Aug: Darent
	Sept: Whitlesea mere.
fulva Hub 105, f. 496	2. Jul: Whitlesea Mere, Hatfield. Battersea fields.
flava (Hub. f.) Ste 3. 77. Wood 15, f. 369.	15. Sept. Ingham Cum Dorg.
~~extrema Hub~~	
nigrescens Haw 176, 46. Ste.	Aug: Eton & woods Coomb: Hackney marshes; Battersea, [illegible]
pallida Ste. β. Wood 15 f. 57[illegible]	21st Sept. Tolson road; pt. Hatfield. Marshes at Mitcham, Dover.
neurica Ste. γ. Wood 15 f. 372.	marshes at Leabridge & Whitlesea mere
pleraqueticolis Ste: Cat.	
genista Hunerta Haw 176. 45 Ins. Haw. [illegible]	Aug. [illegible], Lanes Hackney & Sept. Cambridgeshire, H. & J. Stevens.
[illegible] Hub. 21 104, f. 637 d. [illegible]	16 Sept. 2d.
[illegible] Hub f. 15, f. 623 & 624.	Larva on Hulsy feeding in reeds & eating downwards.
neurica Hub: 92, 381 ~~Steph~~	Pupa 22 Jan. Kew, attracted by sugar, I. Bond.

unipunctata Haw 172, 37. — Brancillon: at the Nawarth
impunctata Ste 3, 80

batania Hub. — Phragmatobia Hub. Ochs. — June, Mar. & White Hesea Mere: Ramsey & Yaxley fens.
musculosa Ste — July. N. & 1846
Aug: Bromley Marshes, Wm Courtney.

871 Simyra. Och: 5, 2, 280, 67. Ste 3. 81.

Oria Hub: — musculosa Hub.² Ochs. Goda — 1855 W. Brighton J. N. Waller
nervosa Steph. (non W.V.) 3, 82. — June Ramsey, White Hesea & Yaxley meres.
Cat: on E.

fundorina Hub.
infuscata Hub 9, 7 f 309. — July Norfolk & White Hesea mere
June 1855, from forest: from Langre Road, Burwell fen.
Cat:

Simyra Ochs. — venosa Ochs. Borck. Goda — m. June nearly places: found brown in a leaf of a reed at Horning 1809
degener Hub 81 f. 380. — July: White Hesea Mere, Huntingdon, Cambs. Wicksbath.
atomina Haw 175. 43. Steph 2, 3 — 1st May bred one: bot. Schmetterling, had fourteen, hatched from Price
e. Sub. cat: on Carex [illegible]
Appears under elder
nervosa Och. Tr. Hub. Haw 46. Goda — Ste 3, 82. — e. Aug. wet by banks: Norf. & Burrell: Darenth.
oxyptera Esp:
Cat on Elm.

872 Cucullia B. E. 1, 45 — Schr. Och: 4, 87. Tribonophora Hub. Haw 162 — Goda 7, 390.
Ste. 3. 84.

umbratica L — Don: 8. 262. 2 & Lava. Rossl. 1 f 125 f 86 e. — June n: Southampton. Effing. Surf. Cyst
Hub. 52 f 163. 2 f 164 Ochs. — Goda pl 126. f 1 f 2 f 3 f 4 — in Sub. Stems, fences & walls. Wimbledon Common: Slopes in my garden.
Hannacetti Ste non Fab.
Ann. S. E. 3. 174 f
Cat: on Sonchus oleraceus. Hub. 4 f. 222, 224 & 223 a. b. Sinchus arvensis.

Lactucæ L — Esp. — Hub. 52 f 164
Haw 166 — Ochs. — Goda 7. 126 f 126 f 2.
Lucifuga Steph non Esp. — Rossl 1, f 42 f 1-5.
in Long f. Hollowes, Mitcham, Surrey. Lower Beach & Darenth
23 Lower Norwood.

Lucifuga (Hub 52 f. 162) — Haw 166.
Rossl 1 f 25 f 1, 2, 4, 5. f 3 ll 71 f 10. not of Esper.
Cat: on Lactuca sativa. Hub. 4 f. 222. 1 a. Sonchus oleraceus & arvensis
Lepanis commune.
July shady fences & walls, with the flower.

Lava Hos. 4, f. 223. 1, c. d. on Sonchus oleraceus.
in Cat shady fences & walls [illegible] Hub. Cat. Devon.

Tanacetti (Fab. — Hub 52 f. 165) — Haw 165.

Chamomillæ Esp.
Cirsina Haw 47.
Lucifuga Goda. pl. 127.
Lava Lino. 4, f. 223. 1, c. d. on Anthemis cotula.
Lower on Tanacetum vulgare & Artemisia vulgaris: Chamomile.
in. Aug. shady fences & walls, Matthamstow: Wimbledon Common: Effing
e. May Putney heath. 12th & Lapel Lane & Coombe w. Birch w: Hesa, Co: Devon.
June
e. July Cat: on Matricaria Chamomilla. June: under Dunning.
June bred by B. Standish & taken before by his father in Birch w: in 1815.

Gnaphalii Hub: 126 f. 582 & 85. Ste 3, 90.
Solidaginis Ste 3. E. 1. 2. 5. f. 3 f. 3 f. 7 Cat: L.
Hapsidinga Ste 3, 87.
Cat: Sept. 22 S. W. corner of Birchwood on Golden rod.

Absinthii L. — Don. 9. 30. & Lamm
Hub. — Goda
e. Jul. places where Wormwood grows: Bunhill fields abt formerly
Barnstable: Wales: Devon above Lawrence. S. B.
Cat on Artemisia absinthium & Annua, on Esp. Gall, Ed.

Asteris Fab. — B. E. 45 — Hub. — Haw
e. 6. Jul. Gardens, Sudbury & Hunt & 25th 1863. Darent w: at Croydon, Fulham
5th to 24th June 43, S. W. Douglas bred one.
Hub.

Thaksibhagi Ochs: — Eur. Mag: 2 30 & 33
Hp: 4. 390. — Ann. S. E. 2. 22 pl. 1 f 2.
Cat: 4 Sept. 1871 & 73 on Solidago virgaurea at Darent w. Blunt, Hampton Court
garden 3 Sept. upon an oak Reddar, and Sept. 4 Esp. Beech Ed.
Aug: & Sept: 43 on the Solidago Birchwood. They form cocoons in the earth

Cat: on Verbascum Lychnitis & but seen on V. thapsus. Rambur

fig

Chrysanthemi Hüb (proc. var?):

Solidaginis Ste: Cut. Tr. 2. 57. pl. 3 f 7.
Wood. pl 16 f 389

June bred by Standish, from Cat. found feed on the Golden rod.
Sept. 1832 in y. S. W. corner of Birchwood Zool. 3. 806.

Lychnidis Kamb. Ann: & S. 2. 17. pl. 1 f 3. & Cat.
Scrophulariae var: Trait Sup. 2. 129.

on June 6 in a cabbage bed by S. Stevens

Cat. on: Aug: on Mullein leaves & flowers in a chalk pit at Arundel.
Heads the flowers & fruit.

Adonis Fab: Ech: Cerinus Hab: Argus Don 2. 223 f
Lam. Il. 2. 2.
Hyacinthus Lew. v. 78 f. 2-6.
Douglas Ile. 1. 90
61. 295-97

18th July instant
e Apr. Chalky districts; grassy southern slopes near Dover
b. June
b. Aug: Darent. Sole, Wt. Sussex. Suff. Dorset. Middleham
m Aug.
cat: Suffol & most hedges
Same Darent not British.

Douglas Ile. Wm. Roy. Sch.

Carinus Sch: Amandus Hab: Haw: Mss:

Kent. Haworth's Cab:

Alexis Wt. Hab: Sch: Scarce Hill Argus Don: 2. 223 f
Douglas Beach
Scarce Wood's Cat.
Ile.
c Hermaphrodite known Sm. 2. 2. 125 (30) pl. 1. B. a.

e Apr. Heaths, Commons, Lanes, pastures, meadows &
b. May marshy places
e Aug:
Sept.

Cat on Strawberries & wild Liquorice

Eros (Sch:) Ile Labiatus Fade Macfoy

Sally grassy Lane Ripley Surrey. Steph. not British.
Haw: Cab:
b. Aug: Pastures, Wrabness Suffk

Argus Lam. Ech: 29. f 2. 2.
Afar Bork. Hab: Wt.

e Apr. Field, Marshes, Heaths, Grassy commons. Combe
m June & Darent woods. Surrey, Hants, Dorset, Cambridge
e Aug: Sept. heaths.
Cat: Spathum secularium. Calotium melilotus. Hedysarum
Scorbycense

Alex Wt. Ice: Don 3. 322. 2. Arcuatus Wt. Hab: Sch: Goda e Apr. Grassy, Lanes & Clover fields. from Northumberland to Dorset
Lewin Medow Sch:
e Aug: Wt. in abund every hill on the Downs on Sand hills Sandwich
from seeds in woods. Wt. Cow in Belsen Hammer volume, Sussex.
m June. Dorset by Same Dorset very fine

Astacerxes F. Lam. Don: 6. 5. 1. Salmacis Mevar:
Bot. Mag: 2. 515.

28th June. [illegible] Lancashire. Hartington Derbyshire
[illegible] Lake Ly. Dun [illegible] Sunderland. Durham.
[illegible]
e July 1. Dunnyat, Sch:

Syrichthus Bois. Pyrgus Hab:
Thymele Fab: Steph 2. 97.

Alveolus Hub: Trifolium Hab: Cardui Goda e. May. Commons, Woods, Dry banks, Meadows
Malva Lew. (Don. 16. 567. Found nr. Poulton)
Lavatera
b. June Brick & Combe Wt. Parley Heath, New Forest &c Kingham
Thanaos Bois: Pyrgus Hab:
Tages L. Lew: Sch: 223 f 3.

e May Dry banks & Banks, meadows roads &c. New Forest
June. nr. Ambleside &c. [illegible] Kingham. Hampshire Cat.
m July
Cat. Eryngium campestre & Lotus corniculatus.

780 Pamphila Fab: Neoteria Fab.

Oileus Linn? Ile 1. 99.

Bedford & Dr Abbot. in Lee Phillips Collect: Manchester

Steropes Boyd. Cyclopides Hab:
Paniscus F. Don 8. 254. 1. Brontes Hab:
Dr Abbot Linn. Trans. v. 5 f. 296

e May. Eastbourne Woods nr Wilton, Northampton m July
m May. Clapham park Wood Bedfordsh. Whitewood Gamlingay
Cambridge. Bagshot, Wt. Darlington Devon. S. June at Mamhead in
Wood nr Kingham
m July. very profusion in Hendy wood
Cat. Plantago Magor & Cynosurus cristatus.

Spinus Rurel. Hub. 1100 Hub. 94 f 4, 7, 8, 78.

Cab. of G. Milne, is it British? It is a German species.

Pamphilia F.

Linea Wt. F. Don. 7. 206. 1. Thaumas Lew: Sch:

e July. Skirts of woods & shrubby places
m Aug.

Sylvanus F. Lew. Don: 8. 254. 2. S.

Cat. Uva montana.
e May. Borders of Woods. m June. [illegible]
e Jul. June Dorset
Aug:

Comma L. mus: Don: 7. 295. f

[illegible] Lewes Lassen. Cecil's Diet. 13th Thomas
e Aug: Old Sarum. Wt. Borkill.
19 Jul: also in chalky [illegible] Sunford House nr Salisbury. Wt. Bree.

Cat: Cornus varia.

[illegible] Pulchra Step. 3.104 not [illegible]		In Lewinson's Cat.
Inscripta Rosp.	Doub.	
~~Percutaliana Deb.~~		
Iota Hilb: 58 f 282.	Step. 3.100.	b. Jul: bred by N. D. Coomb. Darnt. on. New for. Devon. Yard. Newcastle Norf.
~~[illegible]~~		
interrogationis Esp.		
pulchrina Haw. Prod.	Ste Cat:	Cat. also b. Decl. N.D. on Nettle, Burdock, Archangel

Verbasci L. Don. 8. 257 & Lav.
Hub. 55. 266. Goda v. 7. 342, ii 126 f. 1. 2.
Lam: 8. 1. 2, 9 fl. 1 f. 6 v. Cat.

Scrophulariæ Hub. fl. 55 f. 267 Esp. W.P.
Lam. 8. 1. 6 f. 11. fl. 1 f. 1 + Lava – Goda

Artemisiæ F. P.
argentea Lam. 8. 1. fl. 5 + Lava

Periphanes Hub.
873 Chariclea Kirby. Ste. – B. E. 2, 76. Ste. 3. 92.
Delphinii L. Don. 10, 331. Haw 248. Pz. 7. 17
Wilkes fl. Cent. il & Cat.

874 Abrostola Ock. 4. 88. Ste. 3. 96.
Triplasia L. Don. 9, 298. Esp. 1. 24. Haw 205
asclepiadis Hub.

Lower Hyp. asclepiadis F. W.P.
triplasia Hub. 55 f. 269 + Cat. fl. 95 a.

Urticæ Hub. 137, f. 625 Ste 3. 97.
asclepiadis Haw (non Fab.) 246
Triplasia Esp. Don. 9. fl. 298.

875 Plusia Ock. 4, 89. Cent. B. E. 16. 731. Phytometra Haw. 254.
Euchalcia Hub. Ste. 3. 99. illustris F. Hub. Haw. Cent. B. E. il & Cat.
& cupreca Esp.

Festucæ L. Don. 2. 46. Haw. 199.

chrysitis L. Don. 2. 157 & Cat. Esp. 1. 1. f. 12.

aurifera Hub. fl. 58 f. 263 Goda fl. 132. 2. Ste 3. 104 Wood 16 f. 263.

orichalcea F. Hub.
Crifera Esp.
chryson Esp. Don. B. M. tab. 29

bractea F. Don. B. M. tab 28

circumflexa Hub. 58 f. 285 Wood 16 f. 264 not of Linn.
flexuosa Don 12. 412.

Iota L. F. Don. 8. 265. 1.
percontationis Ock. Ste 3. 101
aurora Freyer
Cat. Hub. + 1. 6.

a. Apr.
m. May. fields & gardens: Norf. Suff. Bucks: Devonst.

Jul. Cat. on Mullein (Verbascum Thapsus). Scrophularia aquatica & perhaps the leaves of the flowers: Dr Lambe.
b. Apr. gardens w: Croydon: Barham: Bristol: Cheltenham.
May

June Cat. on Wormwood (they are mere [illegible]) Scr. aquatica & [illegible] & perhaps the flowers & [illegible] Pum. [illegible]
Sept. Verbascum Blattaria & Nasturtium aquaticum: perhaps the flowers & [illegible] Pum. [illegible]
Dunn, Dudlingston Loch w: Edinburgh, Dr Leach from a Collector there

Cat. on Artemisia campestris & A. vulgaris L. 2. f.

June Gardens, Windsor
Jul.

Cat. on Delphinium consolida

Jul. Gardens Chelsea & [illegible] Woodsides, Epping, Mitcham & Dunn, Settle.

Cat. on Urtica dioica.

[illegible] Dunn [illegible] Bois de Boulogne: Dr Jermin, Barham Down

July Larva exclusively upon Asclepias nivea (not Vinc.) only at night. [illegible]
b.e. Jul. Weedy banks, Gardens Wimbledon. S. E. Epping Knightsbridge

Cat. on Nettles.

July & Salisbury Plain, Dr Leach of Mr Strutt.
S. Wales, Donovan.

Aug. Cat. on Agrostis Spectabilis & Phalaris arundinacea.

22 June in a Marsh Horning very late
c. July
c. Aug. Meadows & Ditches near London.
Cat. on Water cress & Festuca fluitans.
c. June [illegible] at Bredon: end, weedy banks, Gardens [illegible]
July Wimbledon Com.

Cat. on Chamomile & Nettle.

Downs, Mr Lyon in Brit. Mus. It is a doubtful native

June gardens Grayford, Ches.
16 July Gl. Hook. M.D. Newbury, Berks; Rochdale 2, Hardwicke St.
Aug: Hetherset Norfolk on a bank, A. Browne

Yorkshire & Mr Edinburgh. and Carlisle on a nettle
27 July upon Fern at Keane's Manor Sept Berks, P.C. 12. at Bulkish, Hilingdon
Aug 29 summit of Wrnetle Lowe Dyce
19 Jul. moors near Oban, fine, W. J. Bull.
June [illegible] & Yorkshire & [illegible] in Mill.

[illegible] June [illegible] very [illegible]

c. June in gardens.
c. July Wimbledon Com: [illegible] & [illegible] Hertford.
eggs hatched c. June. Cat. fed on nettle & groundsel
m. Oct. they live that the winter N.D. I had 3 full grown in May, but they all died.

bimaculata Hb. 3. 102. Wood 71. 416 f 399.
inscripta Hb

chalcytis Esp. Hub. 57 f 276 Godart 130. 1. Hb. Wood 52, 52

Gamma L. Don. 8 265. 2 Haw. Stph. III. 6
R. 2. 73, 72. MD. 38-41.

interrogationis L. Hub. 180 f 852. 3.
aurosignata Don. 13. 253. 1.
Emula Bork.

876 Heliothis Ochs. 4, 91. Heliocentris Hub. Phytometra Haw.

marginata F. Haw 235, 217
rutilago Hub. ♂ W.F.
marginago Don. 5, 150, 1. Haw. 235
similago Esp. umbrata Haw 2 188
pettigrew Hub. W.F. Gn.
Barbara F.
stramnea Don. 2, 61. Haw 261
scutigera Borkh - Florentina Esp.
Dipsacea L. F. Don. 10, 327, 3 f.

877 Anarta Och. 4, 90. B. & 145.
Myrtillina B. & 145. Don 221. Haw. 102. f.
albicans Haw 163.

cordigera Esp. Hub. Godart Wood 52 f 1571
albicans Hub. ♂ 2199 = cordigera 5 f 276 f 35 not of Haw 153.
melanopa Thunb.
vidua Hub. 200. 203
tristis Hub. var. of ♀ 30 f 326
rupestris Hub. var?

Pneumeria Hub.
Heliaca Hub. Haw 1. f 214.
Arlunti F. Don. 10. 343. 3. Esp.
pacata Esp.

878 Acontia Och. 4. 91. B. & 276
lucinosa Esp. Hub. Godart Haw 204.
Malicia F. Schr. f. 51. 1. 2.

Solaris Hub. 62, 307 & 308. Och. Godart, 1. 121.
albiciliis F.

aprica f Hub. 80. 371. Hb 3. 113.
albo-atra Haw 186. 68

Calonis Hub. Nat. II. 1. 189 f 372. Wood 17 f 417

armigera Hub: 1837 Pl. 79 Bois.		Sept: 1840, on a door at Salford, nr Manchester, K. S. Edleston. 16th Oct 47 at sugar, Epping. Sept [illegible] Ford.	Paget. Duxford, Cambds: Bond	
scutosa Hub: Wf	Cuc: B & A. 595. g. Fab.	Late brown of river Caldew nr Dalston, Carlisle & Aug: 1834 & 5, on oak at Skibburness		

[illegible]

Plumbeiness, flying by day

albiflora Haw. Ch. 14.
albiflora Woods is a var. of furcata

3. Morrison's Dale.

In Shepherd's Collection Hawaiian specimen. It is not a var. of C.

. 14. amongst long grass on the edge of Chamouth Pen. T. C. Morris
x 1862.

nigricana Haw. 260. 35. Ste 3.114. — Kew & Swanscombe, Hub.

Euplexia Hb. 3.115
lucipara Linn. B. E. fig. 276. Haw. 184. 67. — m. Apl. Brixton, Surrey, Charlwood.

879 Erastria Ochs. 92. B. E. — 140. Erotyla Hub. Phytometra Haw.
Erastria Hb. 3.115. Fumetia Hyb. Hb.
cultrearia L. — Dow. 10. 339. Hub. — Spring. — c. June. Clover. Also in flowers of Plantain in Norf. Spring in the Days Hawarth. m. Jun. margin of ~~Wood~~ resting on umbellifer leaves & yellow flowers. Bedfordshire fields. Brandon, Suff. among Lucerne, many S. Mr. Dunning
lugubris Fb. — Haw. 262. 2a.
sulphurellis L.
Eromene Hub. Micra Gum.
ostrina Hub. 399. B. E. 140. Ste 3.117 — June 1825 in a dry lane, Bideford, Capt. Blounce

Hydrelia Gum. Ins. S. E. 10. 267.
Hyela Hb. Bankiana Fab. — Haw. 261. 22. — c. June at Ryecroft, Sussex & Sussex Hants. among reeds & rushes & in lane after Cotton rush grass at N.H.
argentula Fab. — Spring
Olivea Hub. 60. f. 292 — Fy. f. N.

uncana L. — Haw. 262. 23. Spring, f. 125. — June & July & Aug. day June Hants. Reid. in June in a Marsh. Morning. Bred out of the long grass in the day. Aug. & Sept. Morning. Haw. Hutchinson near Devon.
urica Hub.

Nothiza Hub.
Micra Gum. minuta Haw. 35. p. 31 — Haw. 262. 24.
Nanorthana Hbn. & N. Ill. f. 228, 259. f. 20. Ste — Haw. & Steph.

880 Acronicta Ochs. B. E. 356.
Acronicta Ochs.
venustula Hub. — Haw. 261. 21. — Ist July, Chewin Forest, New Roy. 2nd & 3rd day. 1st July, 45 ft. two on Ivy, at Twickenham on Lombardy Poplar. N.D. 1st July.

alnicosa Haw 261, 20. Wood f. 17, f. 425. — June at Cardenham, Ess. — June at Wimbledon & Bentley's

fuscula Hub. B. E. 356. Ved. Godm. Wood 17, f. 426 — c. June. Corn fields Wrentham. New Forest. Chislehurst Bexley & Comb. woods. Olney-hatch. Mr. Spilchinger.
v. albidilinea (Haw. var 261, 19) Ste 3. 120. Wood 427. — Wood
fusca Haw 261, 18
holygramma Esp. f. fraxinula Borth
Hyrilla Boid. caliginosa Hub. 100, 4, 75. Ste 3. 122. Wood 17, f. 430 — June New Forest. Bexley, and Mr. Brockenhurst, E. Boid. New Forest. W. Farren 1860
alnicola Wood
lutescens Haw 260, 15 var f. fl. — July at Lyndhurst, Hants.

Nonagria Guenée. despecta Hub. 102, f. 291 & 292.
Caradrina
rufata Haw 260. 16. rufa Hbn. 123. Wood 17, f. 431. — Norf. & Whitlesea mere
lincola Ste. var 3.120. Wood. — 17th July, 43 rows in Nunning meadows, N. Ess.

arcuosa Haw 260, 17
Morrisii S. E. var. Nahmulsii, 2, 88.
Dufranchelii Boi
minima Haw. 216 g. Ste 3.15
Nira Fry.

c. June Meadows, Copenhagen fields, Epping. Shirley common. 9 July Dulwich 1st 3, Francis.

881 Stilbia Hb. Curt. B.E. 14. 631. — Phytometra Haw.

anomalata Haw. Eur. Gram. f. 336. anomalata Curt. 631. — Aug. Heath, Hyde Park, Barley Common nr. Withey, beds. J.C.D. Cat. New Forest, Mr. Chant by Lower Tarrs potatoes. Aug. in a fir plantation at Wembley, Middx. Aug. near Exeter, Devon. nr. Inverness, fat of the Dam. Mr. Marshall. Ken. Rowe F. Leighton, Angus. Cat. [illegible]

hybridata Hub. f. 90. f. 297 & 8. Gnophilum Curt. B.E. 11, 503 f. 1541. [illegible]

stagnicola Fr.

Lathyri Bois.

882 Ophiusa Ochs. 2, 93. Hb. 3. 125.

fodinifera Haw. 260. 4.

incopsis Hb. 3. 124.

Toxocampa Guen.

lusoria (Lat. L.) Hub. 759 Don. 10, 354. 2. Curt. B.E. 9 f. 758. — Lon. Aug. moist woods, Kirk, Parent under Combe [illegible] Cat. Hub. Astragalus & Lycophylum [illegible]

pastinum Tr.

ludicra Hub. 65, 319. Hb. 3. 126. Wood 54 f. 53. Haw. 251.

crassiuscula Haw. [illegible] 3. 126. Wood 17 f. 436. — [illegible]

grandirena Haw. 264. Hb. 3. 126.

882a Catephia Ochs. 2. 94. — Hb. 3. 127. Anophia Guen.

leucomelas L. Hb. 3. 129. Hub. 6 f. 364. — [illegible] Lon. Donovan.

alchymista Hub.

convergens Tr.

bifasciata Hb. 3. 128. — Lon. Cat. on oak & elm in forests on Thames. Aug. Barham. Sa a Brazilian insect. Kirby must have been [illegible] letter for British insects after his death was written.

883 Mormo Ochs. Maura Ochs. 2, 294. — Lemur Hub.
Hb. 3. 129.

Maura L. Don. 7, 230, 1. Hub. Haw. 269. — c. June Outhouses & pailings round London, Kirby. c. Jul. Old Coachhouse nr. Wimbledon, Hetherington, Hof. b. Aug. Cat. Lactuca sativa Ochs. White & black thorn. Joyce & Walker

884 Catocala Schr. — B.E. 217 — Ochs. 2. 94. — Hemigonetica Haw.
Hb. 3. 130.

Fraxini L. Don. 7, 171 & 172. Lion. [illegible] 1. 18. 20. Fuess. Arch. — Aug. 1825 nr. Lowestoft. 5 Sept. [illegible] 7 Sept. 1827 c. fating nr. Bach. [illegible] 1835 [illegible] Aug. 7th 1850 canal nr. Bath. [illegible] Cat. trunks of trees [illegible] from [illegible]

Elocata Esp. B.E. 217 — [illegible] in London [illegible] 177.

nupta Tr.

nupta 103 f. 1944 [illegible]

a Ulva Hub. 69 f. 328.

Nupta L. Don. 7, 224. Hb. 3. 7. — Cat. on willows & elms.

concubina Hub. 69 f. 329. — b. Aug. on trunks of Willows, fating Regent's Park. 2nd Aug.

[illegible] not Lemur. — b. Sept. fating Regent's Park. c. b. Wimbledon Common nr. Kirby, Hof. Sept. Sept. fating Battersea Bridge. nr. Sept. Lewisham. Cat. on Salix Vitellina.

Sponsa L. Don. 7. 224 & Cat. — Cat. trunks of trees, Richmond Park nr. Sydenham woods. Shooting hill, 20th Aug. c. Jun. Birch & Dorset: nr. Leatherhead, Windsor, New Forest. Kirby. Cat. on Oaks.

promissa Tr.

conjuncta Haw. (non Esp.) A. f. 19. f. 9 - 1. — Cat. on [illegible] loose bark of Oaks, New Forest nr. Lewis. Sa. [illegible] Richmond Park. c. Jun. [illegible] Brockenhurst. nr. 1858. Sept. fating Tr. Logan Brighton.

nuncta Hub. 123 f. 569 p. — Cat. on Oaks at [illegible] in 1821.

conjuncta Esp. Ochs. 2. 95. — Aug. 2. Mr. Jones of Chelsea. Mr. Entwistle. Mr. Marshall.

conjuga Hub. 71 f. 335. Haw. 269.

Ophiodes Gunn:

lunaris F. Hub: 66. 322.
mentis?

♀ 21st June in a stormy night at the N. light house, Lowestoft, Suff.
Capt. Clemmens Mad. for Key West.

3d. on grand trunk of apple tree in Garden, Hammersmith, very fine! J. Stevens.
42. on the wing Miss Hamble!

Nymphæa Esp: Nymphagoga Esp var.

supposed to be taken in a garden at Ipswich, by Mr. E. A. Johnson

Dasypdia Guen.

tarvaria Hub. 71 f. 366 & 67. Ste Cat.
tenebraria Esp. Hestro. & H. III. 2, 67.

S.I. M. Pierret trouvé à un bois de Boulogne
1843. 2e Mauvais Le 1 mai 50 à la main

885 Phytometra Haw. Anthophila Ochs. 4, 93.
Hb. 3, 121.
aenea Hub. Haw. 266. Ochs. 4, 93
latimanta Esp.

6 May Birkwood, Lb. 28th in Mullen's Close; Coomb. Dorset.
6 June in abundance, Heaths near Forest & Parley Heaths. Slaughter moor.
6 Aug. Heaths over Purz in the Isle of Purbeck, in Dorset.

886 Euclidia Ochs. 4, 96. Sub: Phytometra Haw. int. B. E. 4. 639.
Hb. 3, 138. Esp. 3, 138.
glyphica L. Haw. 265. Goda 52, 2 Esp. 3, 138 Ochs. 4, 96

6 June Clover fields. Hedges at Dunce. Epping, Hoy; Wadhurst.

Cat. on Trifolium pratense & Medicago.

mi L. Haw. 265. Esp. 2, 1. Goda 52, 3, 4, 5
Dunce Dor. pl. 51, f. 5.

6 June Clover fields. on May & Dec. of Lime & on water at Hampstead.
6 May bred a g. In elevated pastures: Slaughter Oxon. Epping, York
Wales. Scotland.

mihi cat. on grass (coarse) full fed then end of Aug: lower [illegible]

887 Bnephia Sub:- B. E. 3, 121. Brephos Ochs. 4, 96
Hb. 3, 135.
notha Haw. B. E. 121. Hb. 3, 137
Parthenias Hub.
vidua ?

March blossoms of Willows. Hedges Day, almond & sloe. Orgar Parkwood.
Coomb, Birch, Dorset.
Cat: York
int. [illegible] 142 on birch, hazel & oak.

Parthenias (L.) Esp. [illegible]
notha Hub. [illegible]

[illegible] Coomb. in Birch & Dorset. Dipped at long table.
Orgar Park

puella Esp. Hb. 3, 137.
spuria Hub.
(sub) Haw. Bry
& Parthenias Goda 5, 89, 1, 51 f. 5

cat. on [illegible] & Willows & Lamont. vide Entom: 4. 142.
In Brit. Mus:

888 Psodos Ochs. 4, 94. Int. B. E. 4, 424. Tornia B.
Hb. 3, 143.
equestrata F. Haw. 225. Int. B. E. 424.
alpicaata Hub.
quadrata Haw. Bry
B. Wood 18 f. 450.

in Birkwood, Lb. 28th in Holywell by Bromley in Kent; Plaistow & Hill Cots Essex.

Cat. on [illegible] of Sanfoin.

fuscata Esp. Haw. 281
B. Wood 18 f. 449.

Cat. on [illegible]

30 June summit of Schiehallion, Sub. S. Rooter.
11th July, 25, 3 f, J. C. B. on June 10 c. Int. probably [illegible] on rocks or around [illegible] Schiehallion. R. Weaver. On Black stones, on hay side of Ben Schiehallion. Nodhimm

889 Biston Leach. Ency. Ancylidae Ochs. 2, 234.
Hb. 3, 157.
prodromaria F. Haw. 172. Dou. 7, 214.
marmorana Esp.

6 March. Trunks of Oaks
5th Mar. 44 in Lewis in Dunham Park in Mendlesham, increasing from 2 to 6 E. Boston. 5th & 8th Mar. 44, not at 4 p.m. in York.
Dar: Dorset.

Betularius L. F. Dou. 7, 237. Esp. 2, 10 & 11
Illuaria Hub.

June, 6 pt. Birch Grove, Holdar, oaks
m., June, Pales. Epping wood around London. Norf. in Lamb.
Nuneaton, York. Grayes.

cat. elm, oak, poplar, willow, rose

hirtarius L. Hub. Esp. 2, 12 & 13. Ochs. 4, 787
a congeneraria Hub. var. 233 f. 172
b fumaria Haw. var. 273

6 Sept. Oaks
cat. on Lime, Lilac, Elm, Poplar, Oak, Fruit trees, Ivy, Privet, Hornbeam

890 Nyssia Goda 8. 106 Int. B. E. 615.
hispidaria F. Hb. Ill. Hb. 2, 391.
Ursularia Dou. 13, 227. Ochs. 4, 615.
var: Fumaria Haw: E. M. 1, 413. Dou. Lemmata 5.
Hispana. Goda 8. 106 f. Hb. 3, 153.
pilosaria Hub. Hb. Ill. Hb. Wood 18 f. 450 & 265 m f.
plumaria Esp.
picaria F.
infumaria Borkh.
Zonaria W. V. Int. B. E. 13, 615 & Illustr. Ent. Soc: Brook & Ph. 184, p. (66). Hb. 2, 391.

12 Mar: 43, 20 & 8 g around trunks of Oaks on Dunham Park from 11 to 1 p.m. [illegible] E. Boston. In Mar. may be taken on 227. [illegible]
6. Feb. Trunks of Oaks & Sallows, Epping, Birch & Coombe [illegible] at 5 p.m. in Huddersfield
5 Mar. Sabrinus Richm. Pk. Dorset. 10th Feb by Oaks
28 Jan. Hadam
6 Sept. Boston [illegible] Cat. on Elm.
[illegible] Epping
6 Mar: Trunks of Trees & palings in London, [illegible]
[illegible] Richmond Park, not rare. 17th E. Bury road.
11 Mar. 44 Dunham Park & Sq. Boston
[illegible]

Apr: 1849, in Black rock, Cheshire side of Mersey
" 2 mans feaiv on the sands & grass
12 Mar. 43 hundreds, increasing about 11 a.m. [illegible] in very warm [illegible]
Feb. 1832, 8 in Warrington. Feb 1833 & bred & moths [illegible] Feb. 1833 in moth House
Sept 1832, on S. side of Bolton [illegible] a mile Leigh Black rock, near Liverpool.
15 Mar: 44, 1885 & bot very scarce, Boston.
Cat. on Children Mt. Kay, Lime, Sal. in Gardens, Cambridge, Jasper
in swamps on Sand hills of Denmark & [illegible] Kye. Hedges in the Sand.

Bucephalus Steph. Ill. 10 f. 142. ol. p. 102.
q. of next Stephens Illustr.

Vitellius F. Ent. Trans. 1812. p. 334. Steph. 1. 103.

at Barnstaple Devon. b. Raddon
& Godalming, Surrey Mr Newman gives his service. Another that I am
Mr American specimen note Humphrey & Westwood to Papilio p. 12 note

Mr Abbot Bedfordshire from F. C. Dale.

781 Ino. Leach. Procris Fab. Lat. Stew. 150.

Statices L. Don. 6. 224. 2. Curt. B. 2. 396 & Hist. of Glaucus
globularia Hübn.
German Nub. 28 f. 130 & 131.

in June. Margate of Woods, Kingsdown, Ramsgate & Kensington Gardens among Geranium & Thrift Armeria

Cat. Rumex acetosa

Anthrocera Scop. Zygæna Lat. Stew. 150

Melilothi (Och.) Steph. 1. 107.

c June. West Dowlers Park Surrey. Mr.

Cat. Trifolium

Trifolii Esp. Steph. Wood, pl. 4 f. 4
Orobi Nub. 29 f. 33 a
Glycirrhizæ Nub. 35 f. 138 B
Loti Haw. 74. γ

c May Devon. New Forest. Colney Hatch
c June
Steph. Cambridge & Essex
Cat. Trefoil

Loti (F.) Don. 9. 319. Lonicera Och. Esp. Nub. Wood, pl. 4 f. 3
Ochsen. 6. 4. 5.
Scabiosæ F. Haw. Pz. var

June in a field Eltham Kent. & June St. & Sept. 10th Hampstead & Sutton
Steph. Cambridge Mr Stone Malone.
& June Mr Grove at mouth of Bonnet Creek, Kent
Cat. Lotus corniculatus

Anthrocera Fidia (Och.) Steph. 1. 110.

20th June Camden & Darent Kent. Mr.

Filipendulæ L. Don. 6. 224. 1. 122 Curt. B. 2. 397 & Hist.
Cythiri Nub. f. 26.
Wood i. f. 6

Cat. Astragalus glycyphyllus.
c June Freshwater. in June Hull 24th June Mr Cook
c Cat. upon Centaurea or waste ground near Mr Crayford Kent
Cat. Plantago. Trifolium. Lonicera. Scabiosa. Knautia. Pteridium
Briza minor. Spiræa Filipendula

Anomalous Lat. Zygæna Steph. Acheloum Esp. Curt. 282.

Ocellatus L. Don. 8. 269. Steph.
Salicis Nub. 15 f. 73. Curt. B. 2. 282 & Cat.

c May. Willows & Poplars

Cat. Sheffield Hedge young willows on Chat Moss in 1839. R. 1. 8.
c Aug. Cat. Sorbus, Apple, Poplar, Willow, Oak. Mr Doubleday Ocellata Kent
where found specimens indifferently from Lepus in next number under the Cat.
c June. Trunk of Poplars
7th, 13th, 15th Dec. in 28 of Sept. bred by J. R. Sheppard.
3 April 13. 8 Poplar in copulation of S. Ocellata. G. Hanson, Hull, in
c Aug. Cat. Poplars, Willows, Oak. R. S. Bloxham Mus. Cat. p. 26.
in Sept.

Tiliæ L. Don. 8. 325 Steph. Wood pl. 4 f. 8.
185

May. Lime & Elm-trees

in Aug. Cat. on Lime, Elm, Alder, Birch, Oak.

Macroglossa Och. Curtis

Atropos Linnæus L. 127. Donz. 289 & 290
Ligustri
Vanessa
Ochs. 5. 98. R. 2. 2. 1. 8.

c Sept. 22nd 1842 June 1846 abundant.
c Oct. Sandy Bedfordshire 10th 1846. Mr Wm Parker Cat. in
c
23 June Mr Grove & Mr Hastings

c. in Aug. Cat. Potatoes, Flowers, Leaves & Jasmine. Lonicera. Thorn. Apple
in Oct. on Deal at night. Thus found in Cat. by Morgan cannot. in Cat. Thorn.
Mr Babington at Margate in 46 Thus, was collected for Blackburn. Mus.
Mr Spiniger near Mr Jones Creek, Mr Kirkville, N.S.

891 Alcis B.E.2, 113. St.3.184 Hemerophila St.

Boarmia T.

Koborania T. Don 15, 527 d
repentaria Hav. var
leucophaaria Tr.

e June, trunk of trees New Forest. 30th Hainault forest, Douglas
[illegible] Brighton.
Cat. Oak, Beech.

consortaria T. Don. 10, 333, 2
candidaria Bork

e June. Woods. New forest.
[illegible]
Cat. hawthorn, poplar, willow.

sericearia B.E. 113 d
abietaria Hub. W.V.

e. June, three leggèd Crop, New Forest
[illegible]

4 refrondaria L. Don. 10, 333, 1, 2.
x destigaria Haworth 276, 11 Wood 19 f. 570

e June Woods n. Lois n. New forest. Cat. Epping.
e. Jul. [illegible] in woods [illegible]
Cat. birch, [illegible].

3 conversaria Hub. Hav 282, 87. Cat. Bum fl 9 f 2.
Don 15, 514

e Aug. Hurley wood, n. [illegible] & Hyde Bickington Devon.
July, Dorset, Plum [illegible] n. Devon, Zetland [illegible]
n. Dublin.
[illegible]
[illegible] Mr. C. Lyell. Devon

3 australaria Curt. fl 113 var of 8

x convolutaria Haw 276, 13 var of 8 E. Donzo
Wood 20 f 512.

June woods [illegible] Lindum, S.L.

muraria Curt. fl. 113. St. Wood 19 f 566.

e. Jul. off a wall at a Plantation, Isle of Arran, S.G.
[illegible]

8 rhomboidaria Hub. Haw
Ribearia L.
semmaria Bork

m. Jul. open places in woods [illegible]
e. Jul. [illegible] in Lindum. [illegible]
[illegible]

fimbriaria St. 3 188, fl 30 f.

[illegible]

891a Cleora B.E. 2, 88. St. 3.180.

cinctaria B.E. 88 g Hub W.V.
fascuaria Esp

27. June 1828 Lyndhurst. [illegible]
[illegible] May Parley, Peatt & Brockenhurst, Dale [illegible]
[illegible] 1826. [illegible]
1774 fr. 1830, [illegible] S.E. Dale [illegible]

viduaria Hub. St. 3, 182. fl. 30, f 2.
angularia Hum. I.S. 57. f 2 f 3 g.

2d June n. Brockenhurst S.E.D. & 8th Douglas, many all [illegible]
[illegible] Oak & Lyndhurst [illegible]

lemeraria Hub. 67, f 348 g
glabraria Hub. 265 f 57 g. & 31 f. 10 a

2d June n. Brockenhurst S.E.D. Larva n. Castlebar
Aug. New Forest. [illegible]
n. Tabram n. [illegible]
Cat. [illegible] Lichen amphalodes [illegible]

Lichenaria Hub. T. Haw 280. Don 10, 362, 1
cineraria Bork.

e Jul. open parts in woods, trunks of trees & palas, Gosnell, [illegible]
n. Jul. in Beech Kew n. Hartley, Brockenhurst.

Parascotia Hub. Bolethia Bor
fuliginaria L. Haw.
carbonaria Hub: W.V.
lunulata T. g

Cat. Lichen amphalodes, on old Oak
m. June, Gardens. Hounslow Bell n. Black pears Bridge.
[illegible] July St. Catherine House, 176. Hub. Mr. Shepherd.

Hemerophila St. 3. 189.
abruptaria Hum.
suberaria Don. 7, 251, 1. Haw 284
putrificata Hub. 52 f 267

e June, open parts in woods, Elham, Cheshire, Lancast.
Hay meadows & gardens, Kew road, London.

at noons, small c. Sept: from Nov: to March, lived erect to the twigs: when chip off the bark, they then fell a. the bed of the Mary
changed to Papa Thatched c. Jun: 1. Plant. Cut: p. 229.

Cephronia Hub. Monophlebia Bois.
confienia Wlk. Hub. 32 f. 167 a. Duf. 8, 388. L 162 f. 36, 4 q.

immoraria Hub.

Eupisteria Bois.
carbonaria L.
picaria Hub. 106 f. 552-555.
roscidaria Hub. 64 f. 332.

Lawes, Lucas [illegible] taken on the [illegible]
[illegible]

[illegible]
May, [illegible]

sacraria

taken in the nursery at Bristol in [illegible] House

892 Fidonia Treit. Ste. 3. 147.

atomaria L. Haw 280. Don 7, 248, 14 2 Wood 18 f. 454
Bass: f 10 Hava
aglaocaria prosciuria & carbonaria Haw. var 280.

6 May, on heaths flying in the day, Birch & Coombe woods
5 June Parley heath, New Forest. Isles Cambridge. Bournem.
6 Jul.
Aug.
Cat on Scabious.

893 Sperangia B. E. 225 Eupistaria Hbn
Ste. 3. 148.
salvaria B. E. 225 d.
brunneata Ste 3. 145. Hunt.
[illegible] Hub. f. 10 f. 516. Dub.
quinquaria Hut. d. 10 f. 516. Dub.
Sperangia limbaria B. E. Haw 286. Varia f. 5 f. 4 Wood 18 f. 252.
conspicuaria Hub.

14 July, among tall Heath on hillocks where fir trees were growing, on Black Wood nr Lock Kamool, in the heat of the day S.
6 June S.B.H took 24.

5 May Birch wood S. C. often found in woods, flies by day
6 Jul.
Aug.
Cat. on Broom, reposing at full length on the twigs.

894 Bupalus Leo. B. E. 1, 33. - Fidonia Och
Ste 3. 146.
piniarius L. Don. 10, 336 d. Jeff 1. 4. Haw 278
Piliaria L.

frumaria Wf. Wood 18 f. 457.
erucaria Vill. Haw 278. - respectaria Esp.
illunistaria Hub. - [illegible] var. Lineata Hamb. q.
frumentaria Hub. var. limbata Hamb. q.

June Pine groves Norf. Benacre. Kamsdown. Scotland & Wood
& rare
27th in fir grove Bournem. Sw
Larva on Scotch firs. Phrygadenon cuneus. Bunches, pelleted etc parasites.

Mesia Ste. 3. 150. Fidonia Boisd.
fuvillaceariusHub 26 f. 139. B. E. 338 d. Haw 278
Belgiaria Dub. q 26 f. 140.
meridiumetaria Don 13, 461, 1.

mic. Jul. several d among tall heath Black Gang Chine S.C.
2 Aug d & q on heaths, all round Hunstanton Ste. Wisbeach Norwich
Sept. Colchester. Birchwood. Kingwood.
21st July, on a heath, only heath Barkham, abund.
31st May, Mr Clipping 25th of m aquehurst & Summer
15 May. West Parley heath; nr Kingwood; Merry Town heath Hunt
30 June ~~Lobscallion~~, Scotland; nr Equihurst S. C. Yorkshire
17 Jul. nr Manchester
6th June & Level heath, at Cat. [illegible]

895 Ocelilates Treit 2, 231. - Sp. 126. Cabera Och
Ste. 3. 237.
purpuraria L. Stevent. 2, 107. Wood. 52 f. 64
Black Dem. Tab. f. 11

cont B. 2. 107

Swanion's Cat.
m. June nr Mistletoe S. C.
[illegible] June Oak & Blackthorn S. & S.

citraria Hub. Haw 288
Fi. Lemna Haw Prod.

June nr Milton, flys in the day, Hedge Hawthorn Underwater com. S. C. C.
July, Clover fields Dorset, Hertford, New Sa
2 Aug Dens Aspnd Castle Portsmouth among Cayuga S. C
moss grass [illegible]

gilvaria Hub. Haw 287. Cat B 2 f. 107. Sp. [illegible]
Aug. Lulworth S. C. D. Mickleham, Nr Wattn.
m. Jul. on grassy banks behind the Castle Dover, flying during
to
2 Aug the day S. C. m. Aug. nr Brighton.
Larva Hub. on Achillea millefolium.

Minoitha Hub
Phasiane Dup. 8. 10. Ste. 3. 239.
plumbaria B. Hub. Haw 287
fasciumbaria Wf.

2 June, Heaths & grassy places on woods, Coombe, Dorset, Essex.
6 June Shotover Hill, Hertford.
[illegible] Aug. [illegible] Rhamn. [illegible]
2 May

Perconia Hub
anesperaria Hub 23 f. 25. Haw 288.
strigillaria Hubner. Esp.
vinoquaria Haw var 288

2 June West Parley Heath, Dorset. S. C. D. Gl. Wood. 5th [illegible]
6 Jul. often found in Coombe wood S. C. New Forest, nr Brockenhurst

Cat. on broom.

896 Cabera Treit. 2, 237. Ste. 3. 195. Bapta Ste.
exanthemaria Esp. Ins Hübn 22 f. 526
strigaria Wf. 17 f. 87. Haw 289
arenosaria Haw var 289a
approximaria Haw var 289β
fusaria L. Hub. Haw
obsoleta Esp.

May, moist woods Dorset. Essex. Norwich
2 June. S. C. nr Birch plantations & Cowley Essex.

Cat. on Birch.

2 May, Hedges, woods & copses around London. Essex. Norf.
Aug.
Cat. on Birch, Sallow, Beech & Alder, hazel.

rotundaria Haw: 289. 50. Ste. Wood 20 f. 525.
confinaria Frey

May, moist woods. Dorset

Aug. Coombe, Beechen

897 Angerona Goda 8.104. Ste. 3.172.

Prunaria L. Don. 1, 21 & 9, 293, 3. var — Stephens 2, 849. — 2 June shady groves & skirts of wood, Darent, Norf. Bishopswood Hampstead abund.

Haw 283

Caylania Goda. Hübn. demidiata F. var f. — 2 July Bordeaux, wasted.

Hemithea Hübn. Ste. 3. 178. — Cat. — brown, olive, blue, white, white stem

Electogene Duf.

Tunicaria Hub?

Entearia F.

not British. Stephens first gave it as such without seeing the specimen.

898 Hipparchus Lea. B.E. 300 Geometra Och. 2, 430.

Comibaena Hub. Ste. 3. 177.

Phorodema Bajularia Hub.

ditaria F. Don 6, 202. 1. Haw 299

bastelaria F.

June, open parts in woods Darent.

6. & Jul. Birch wood I. of W. Bishop's wood Hampstead abund.

Cat on Oak, and water lilies, in June.

Hemithea Duf. Ste. 3. 178. Cythisarius Hub. Wd.

prasinaria F. Haw 299

Genistaria Goda.

Cornutaria F. Agrestaria Hub. var 152 f 4.

Hub. 3. 299. 1162/38.

6. Jul. grassy places. Coombe, Warren, Com. Epping. Norf.

6 Aug Heaths going to Boscombe Chine

6 June Thetford

Cat on Broom, Genista tinctoria & G. latifolia

Geometra Papilionarius L. Haw 298. Don 8, 287 — 2 Jul. woods. Coombe, Boireau, Hastings & alders.

Hipparchus. Pinus. pl 9, & Larva — 13 June Birch w. Dorg. Darent. York, Keswick.

Phorodema Bpo.

Euchloris Hub. Smaragdaria F. B.E. 300 f. — 18 May, full fed on Birch tree, Birch wood Dorking. Alder, hazel, Lime.

Zoel. (52) f. 3248, wt f Larva. — 30 June 1826 Bred from a Cat. found in the Island. Lady Clt. C. Parsons.

Hor. fly at Dusk

Chlorochroma Duf.

Sodes Hub. Ste. vernaria L. — 6 from June [illegible] & Petrinum angustipennis, cover Shell with atoms of leaves & moss. Bened. pl. 2. f. 176. St. Leonards on Sea. Rowntree, in an open work case

lucidata F. n. 3, 97.

volutaria Haw 298

c. Jul. chalky places. Birch wood I. of W. Ripley.

m. Jul. 1819 abund. Darent w.

Chlorosea Hb. — argentaria Hub.

fulvatarius L. Haw. Wd. 6, 737.

angularia Hub.

Cat. Oak, Sloe, Clematis vitalba.

2 May. woody places & open places in woods

Cat. Birch. Scotch Fir

898a Pellonia Goda 8.109. Ste. 3. 296. — Hydriomeda F. Ste.

vibicaria L. Haw. 2. 165. Wood 20 f 538. — Swainson's Cat.

Cat on Broom & Acer monspessulanum.

899 Timandra Goda 8.105. Bradyepteter Ste. 3. 201.

amataria L. F. Don. 1, 32, 2. Haw 296 — 6. Jul. Skirts of woods & hay hedges in corn fields Suff. Norf. Copenhagen fields, Epping, Hertford. Cross at Ripley.

Cat. hazel, white thorn.

Epione Duf. Ste. 3. 203.

apiciaria Hub. Wd.

vespertaria Don. 7, 233, 3

6. Sept. Commonly hedges at Gilston, near Ripley.

2. Jul. Epping, Coombe

Cat on willow.

vespertana L. Ste. 3. 204 pl. 28 f. 3.

parallelaria Hub. Pg. 2 43 & 44 Wd.

apiciaria Bork.

m. Jul. at Ipswich, & Bayness

Cat on hazel

adversaria Hub. Haw 296. Esp. Wood 20 f. 550

6. m. June, by a stream at Lyndhurst. Colney hatch wood Lewes, Sussex, very fine. Highgate & Kenley woods

29 May, head I. Hazel. Pitchcombe & Bristol. Bough.

Cat. on Vaccinium Myrtillus.

dilectaria Hub? Haw 296. Ste. 3. 204. Wood 54 f 59.

Catatomania Haw Mss.

Bentley's Cat.

Plagodis Hub. Ste

900 Eurymene Goda 8. 105 Ste. 3. 205.

dolabraria L. Haw 295. Don. 10, 349, 1. Sepp 2, 15. e June; bushes, trunks of trees Coombe wood I. C. Dorset. trunks of Oaks, S. I. G. Epping, Rodsham, Dorset, Devon. Richmond Pk.

Cat. on lime, Oak.

901 Pericallia Ste 3. 171.

Syringaria L. Haw 293. Don 6, 181. Sepp 2, 7 e June, Holmes Dorset S.
orbularia Hunt. b Jul. paths in woods & plantations Greenham I. C. Bordeaux Highgate, Birchw. Epping.
ap. Cat. Jasmin, Lilac, Privet, Willow.

Odontera Sodgl. Ste

902 Ennomos Treit Cent. B. E. 14. 667. Geometra Leach. Ste 3. 163.

Juliaria Haw 293. Ste Wood 19/482. Def. 8. 157/1-144/3 b. Jul. paths in woods, I. C. m. Jul 44 abt at Lowf. Bordeaux, not one of illunaria.
ustularia Don 3, 82 Epping. Norf. bred by H. D. from eggs of illunaria.

illunaria Hub. 7/36 & 37 Haw 292. Sepp 1, 2, f 8 e. Apl. shady groves, woods & lanes, Epping. Norf.
bilunaria Esp. Mass.
unilunaria Esp. July 2 Wales.
fulvolunaria Esp. Cat. m. Sept. on Birch, alder, oak, willow.

lunaria F. Haw 292. Don 6, 132. Wood 19/483. m. June. paths in woods, Coombe, Darent, Eltham; one female Scotland, Lt. Dulwich, Paling Sow 2 Eltham. 14 May, Sundrum; Sudbury, Mr Gaze. York, Scotl. Cat. m. Sept on Birch. Whitelham.

delunaria Hub. 7/34. a var. 3 of lunaria Wood 19/484. June, Birch wood July.

sublunaria Ste Ill. fig 28 f 1. Derbyshire 3.

illustraria Hub. 7/35 Haw 291. Sepp 1. 2. Ste fig 28 f 2. e May. skirts of woods, Birchw. New forest. dark & large June, nr. Uxbridge, Heathfield. bred 22 July, A. Lambert; small & pale
quadrilunaria Esp. very rare at Epping.
Cat. m. Sept on Birch & 20th June on Oak.

fuscantaria Haw Wood 19/485. June nr. London, Camberwell, Jesse. Houton Cambridge, E. Sorrell.
carpinaria Haw: var.

erosaria Hub. M. F. Ste. Wood 18/476 8. e Aug. Lime-trees, in woods & parks around London.
quercinaria Hub: 5/24. b Sept.
crassaria F. m. Oct. 8 on marshes nr. Saltfleet Regwell bay.
Tiliaria Esp: ochraria Wood 18, 475.
angularia Hub: 5/22. Wood 19/479. Haw 294. G. B. E. 667. 8 ♀ & Cat. e Aug. Lime trees nr. London
carpinaria Hub: 8/27. Wood 19/480. Wood 18/477 & 478 b Sept. Thickets & woods. at lights nr. Bristol.
β erosaria Esp. Tiliaria Haw 294
Quercaria Hub. 80/411 & 412 ♂ alniaria Don 8/6 275
Cat on elm, lime, oak.
Tiliaria Hub: Ste. Wood 18/473 8. e. Aug. Lime trees. woods round London. Gl. Wor. Cambridge.
Canaria Hub. Ste. Wood 18, 474. a Sept. at Gas lights Sudbury. Coombe, Birch. Darent.
alniaria Haw 293. Cat. Alder, Lime.
alniaria L. S. N. 1, 519. Ste. Wood 18/478 ♀ at Mr Foreland Lighthouse. E. Shepherd, a fine Spec.
Elms nr. Paris.

903 Himera Goda 8. 106 Ste. 3. 160.

pennaria L. Haw. 290. Don 8, 287, 2. 8 b. Oct. Woods. 20th for two Spec. Lewes, Norbury, Pk. vicinity of London
bifidaria Haw. var. 291 & 301 Epping. Norf. Cheshire, North.
Cat. beech, hornbeam, oak.

904 Crocallis Ocb. 6/5 L 31. Ste. 3. 161.
151
elinguaria L. Hub. Haw. 291 — June m. Aug. skirts of woods round London. Epping. Norwich Norf.

Odontopera Ste. 3. 163. — Cat. Apple, Honeysuckle, Plum, Oak.
bidentaria L. Hub. Haw 291 Harr. A. pl 10 f. 7 — e Apl. skirts of woods. Epping, Newcastle.
dentaria Fr. — E. June. 8th in a sing. grove Lewd. Plan. 1st. 6th Stirling pl. 30th May Stirling pl. Cat. Alder Sir Rowl Milton.

Eudalimia Hub
905 Metrocampa x Goda Lat. Ellopia Och: 2, 429. Camptea Lam. Ste. 3. 175.
margaritata L. Don. 16, 563. Sepp 2, 3. Haw 299 — m. Jul. bushy places in woods & lanes. round London, Epping, Norf. E. Aug.
sesquilineata Esp.
prosapiaria L. q — Cat hornbeam, oak.

Ellopia Ste. 3. 176.
fasciaria L. Hub. Haw 301 — June, Westerham Kent. Birch w. Ripley. Scotd. 6th July on Bordean hanger: mid. Jul. at Lamphey. 15th Darlford heath.
prosapiaria L.
prasiniaria Hub: var. 1 f.

906 Numeria Goda 8. 107. Ste. 3. 194. — Cat on Pine.
Anagoge Hub. pulverata L. Hub. Haw 301 — E. June, Paths in woods around London. Epping. Apr. Nidd. Sh. Cat. black thorn & willow.

907 Eubolia Goda 8. 109 Larentia Och: Curt. B. E. 15. pl 707.
cervinaria Hub: E.B.E. pl. 707 B. — m. Oct: Mallows. Ivy flowers. Norwich.
clavaria Haw 302. — Cat. on Mallows.

Chenopodiata L. Haw 303. E.B.E. pl 707. — e. June Bushy places.
mensuraria Hub. W.V. — e Aug. Sept.

Eusebia Daf. C. 247. — Cat. on Bromus arvensis.
bipunctaria Fr. Hub. Haw 303. E.B.E. — m Jul. chalky places, amongst coarse grass Dover & Dorset. E. E. m Aug. Tr. N. of Box hill. in abund.

Cornucia Gnen.
908 Zerynthia — B.E. 296 Cidaria Tr. Melanthia Bois.
Ochi Gnen of Pallidus
munitata Hub. 66 f. 546 Haw 328, 342 Ste 3. 215. Wood 21 f. 550. — June Pine trees. 2C hawthorn of Oak Lemage wood, W. Gage 5 Jul. g Orbil hills, Stirling. & amongst coarse grass Shrdd. Aug. Nor Norris 20 Jul. & damp places on heath nr. Killin. 27th & Bute

4-fasciaria L. Haw 307. Ste. Wood 21. 552. — e June, trunks of trees & gardens Wrentham
Ligustrata Hub. g 55 f 282 — e Jul. hedges. Hertford
undulatana Vill. S.

unidentaria Haw 308. Ste. Wood 21 f. 551. — m. May Coomb. wood. I. C.
4-fasciata Hub. g 55 f 284. — E. June Skirts of woods, amongst Elms. E Aug Bute

ferrugaria L. Haw 308. Wood 21. 553. — e May Hedges, com.
Alchemillaria Esp:
Saliciaria Haw 309. var. γ — e June

olivaria Hub: Haw 304. W.V. Wood 21 f. 557. — e. Aug. Birch trees Kent. Trunks of beech trees Inveraray sides of rocks, Trossachs. I. C.

geminata Hub. Gen. p. 55 f 283. — Sept. Gardens Tring, Pallmers, Cumberwell, Margate. T. Bul.
angustata Haw. p. 360. g
albicinata Haw. p. 364 S.

907. Venusia Curt. B. G. 16. 759.

1. Cambrica B. G. ib. ♂

2. Larentia crustaria Boisd

Found on the Devil's Bridge, Cardiganshire, given by Mr Hawes to Mr D.

July & b. Aug. on Elm trees, nr Scarboro' Rev. Mr Turner: common in Yorksh:

Ben Mosely & Sydenham Flower

argentata Haw: Steph. - Celaeno? Esp: 1.130. — Lettsomia Cab: Australasia?

Elpenor L. Don. 4. 122. Haw 62.9. 089.
e June Gardens & marshy places, about honeysuckles at sunset with flowers of Rhododend. Putney heath garden, Chelmsford plentiful in June of bands & Huntingdon
Cat. Aug: Galium verum & palustre & Epilobium hirsutum & angustif. Lythrum salicaria & Vine. Impatiens noli me tangere & biflora

Porcellus L. Don: 9. 314. Haw 23.10. 090.
May, June, banks of grass seeds & Honeysuckles with the last 10th June flowers of Rhodod. Putney heath garden; & Cat. upon a tree near the very field of

June Cat. with the last on Galium verum.

Macroglossum Scop: Leach. Macroglossa Ochs: Steph. Cat. 747

Stellatarum L. Don 5. 155. Steph 2.1. Stewart 149. Haw 65.14. Cat. pl. 747 & Cat.
July Lullingstone. J.D. Weir
May Gardens, Side of Cliff Dover in abundance
Oct: May live Jasmine Lonicera & Ply Cat. 109 12 & 2 & 4; 8th 5 from Cedrus no. 51

June Cat. Red Straw & Galia herbarica
Galium palustre, verum & aparine
macrogaster stellatarum Bowdich Cat. in no 9 in the Cat.

Sesia Fab: Cat.

Fuciformis L. Don 3. 87. - Harris Exp. no. 1 13 12 & 14 Bombyliformis Ochs. Steph. 1.135.
Cat. Recon. no. 4 pl. 32 f. 1.2.
May. Forest & Darent Wood & Gardens, about Epping Wood in June flying about Cytisus & Lilacs at Lingham in Cat. Lullingstone in 1851. J.D. Weir
May West wickham wood

Bombyliformis Esp. Fab: Curtis 1. 4. 2. & Cat. = fuciformis Ochs: Steph. 1, 134.
May & June Cat. Honeysuckle & Red Straw. Supa amongst leaves on surface
May w. Eudown Berks. Damp places, sides of Hills Amt. & Ad. in June. flower marshy places in woods. West wickham wood
Upware in fens of bands.

Cat: Devil's bit, Scabious & Lychnis diurna (Scabiosa arvensis Gram)

Crabroniformis
Chapelle Fab.
..... N. America. Plaistead

Egeria Fab:

Trochilium Scop: Linn. Haw. 4.3. Ent. Mag. 1.74
Sphecia Hub: 1093

Apiformis L. Don: 1. 25. crabroniformis Hub: Vespiformis Esp: Cart B 3. 372 xx 1.52.
May Trunks of Poplars & aspen trees Hampstead, & Cumbe Wood
June stems of Osiers
July Hagsfors, Cambridge. Darent w. in the hollies.

Crabroniformis Lewin. Don: 13. 436. Cat. Chron. 1849 p. 53. f. 10. pl 3 f. 6-10. Cart B. 6 372 x. Fr. Linn. Soc. 3. Bembeciformis Hub. 20 f. 98.
Cat. on trunks & roots of Poplars & Aspens in March
W. & m. Jul. amongst Sallows. Battersea Rise house S.E. Ply Jour Nat. 22 Cabinet in Pipins, Middlesex, Bristol. Epping.
June open beds. Hammersmith Br. on the leaves of the young shoots Bristol
Pot: Cat. under bark of Sallow & Lime. It perforates the stems

Trochilium Scop:
S. Egeria Fab: Sesia Lat. Ent. Mag: 1.

Paranthrene Hub:
Asiliformis W. & F. Don: 11. 384. 8. Steph. 1.139 Bombyliformis Esp. & Fr. pl 3 f 2 g Vespiformis New. Ent. Mag. 1. 83. Steph Cat. Linn.
in June. about Privet & Umbelliferous Plants Colney Hatch Bexley & Birch wood. Epping Ply Jour garden Cat. Lady in mount S.D.
Cat. Alder in trunks of Birch & Italian Poplar.

Sphecififormis W. & F. Haw: Hub. Steph. pl 11 f.
Sphegiformis Fab.
July. Isle of Wight w. Fresh water gate upon a tree Poplar
June Enfield & Bow of London
July & at Langworth in Spain

Bembecia Hub. Haw. Ent. Mag. 1. 76.
Scheuriformis F. Curtis 2. 53. Esp: Vespiformis Esp: Hub: Haw: Muscaformis New: & Mx
Cat: on Birch
June Isle of Wight, Hampton w. Bristol, Cornwall, Devon, Norfolk at Great Yarmouth, Kashings on a rock, on the Castle near the east Signal Station, sandstone Castle, Abundt on grass & Ivy & bee's bee stations in Chantlar Cat. Cliffs at Ringmouth.

Cat probably feeds in stem & roots of Centaurea nigra, Dang.